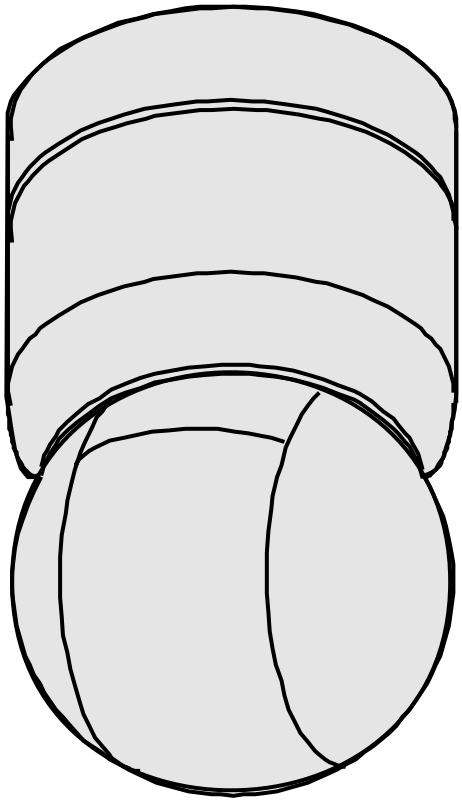
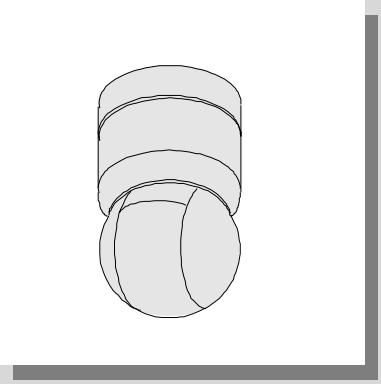


SpeedDome® Ultra IV
Camera Dome

Configuration Utility Operator's Manual

8000-2612-01



SpeedDome® Ultra IV

Camera Dome Configuration Utility

Operator's Manual

Version 2.04

EQUIPMENT MODIFICATION CAUTION

Equipment changes or modifications not expressly approved by Sensormatic Electronics Corporation, the party responsible for FCC compliance, could void the user's authority to operate the equipment and could create a hazardous condition.

FCC COMPLIANCE

This equipment complies with Part 15 of the FCC rules for Class A digital devices when installed and used in accordance with the instruction manual. Following these rules provides reasonable protection against harmful interference from equipment operated in a commercial area. This equipment should not be installed in a residential area as it can radiate radio frequency energy that could interfere with radio communications, a situation the user would have to fix at their own expense.

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A Software License Agreement appears in Appendix B of this manual. Please read it carefully. Using the SpeedDome Ultra IV Camera Dome Configuration Utility software indicates that you accept the terms and conditions of this agreement.

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BSL 3/99

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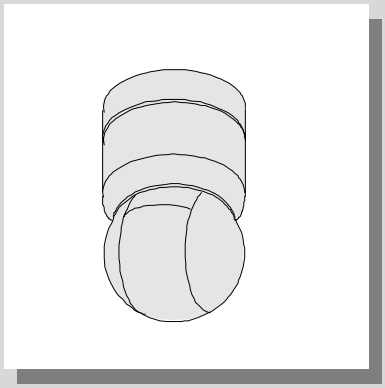


Before You Begin

In This Preface:

- What's In This Manual?
- Documentation Conventions
- Related Information
- Getting Help

What's In This Manual?

This manual is organized as follows:

- Chapter 1, *Getting Started*, describes how to use the SpeedDome Ultra IV Camera Dome configuration utility.
- Chapter 2, *Pan, Tilt and Zoom Options*, describes how to set the "flip" feature and zoom stop settings for the dome.
- Chapter 3, *Camera and Lens Functions*, describes how to set the line lock to prevent vertical rolling and how to set the automatic gain control and adjust the white balance.
- Chapter 4, *Alarms, Areas and Home Settings*, describes how to assign presets or patterns and set the normal state for alarm inputs. You can specify whether or not a pattern or preset should run after defined periods of inactivity. In addition, you can also set the boundaries for up to 16 areas and program presets.
- Chapter 5, *On-Screen Text Display Settings*, describes how to enable or disable the display of status, name and diagnostic information associated with the camera dome. It also provides instructions for setting or changing the names of areas, presets, patterns, alarms, and the dome. You can also set the appearance of text displayed by the camera dome.
- Chapter 6, *Language and Password Settings*, describes how set the language for the menus and prompts. It also describes how to set and enable a password to prevent unauthorized use of the configuration utility.

> **IMPORTANT**
>
> If Portuguese is the selected language, the characters "ã" and "õ " will not be displayed on the screen. This is due to a limitation of the dome text overlay chip.

- Appendix A, *Records*, provides a convenient place for listing the configuration information associated with your camera dome.
- Appendix B, *Software License Agreement*, lists the terms and conditions for using this product.

Text Conventions

This book uses text in different ways to identify different kinds of information.

Italics	Used for terms specific to your system, and text that requires emphasis, for example *Preset*
`Monospace`	Used for menu selections or settings, for example, `On-screen Text Display`
Bold	Used for names of buttons, for example, **Focus Near**

Note Special notes are separated by ruled lines, like this.

Related Documents

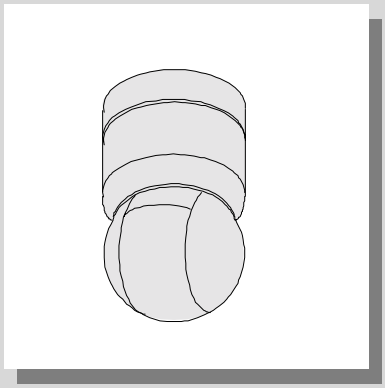
Other sources provide supplemental information about your SpeedDome Ultra IV Camera Dome. These sources serve to enhance your understanding of the product and its use.

- The *SpeedDome Ultra IV Camera Dome Configuration Utility Quick Reference Guide* (8000-2613-01) provides a brief overview of how to use the configuration utility.
- The *SpeedDome Ultra IV Camera Dome Installation and Service Guide* (8000-2573-18) provides specific information about the wiring and physical set up of the camera dome.

Getting Help

If you have a question about operation of this product, and you cannot find the answer in this document, consult with your supervisor. If your supervisor cannot answer your question, contact the Help Desk at 1-800-241-6678.

CHAPTER 1



Getting Started

In This Chapter

- What Is the Dome Configuration Utility?
- Starting the Configuration Utility
- Moving Around the Screen and Making Selections
- Exiting the Utility
- Password Protection
- Restoring Factory Settings
- Where To Go Next

What Is the Dome Configuration Utility?

The dome configuration utility provides a means to setting features for your camera dome via a text overlay menu. You access this menu using a keystroke combination. Refer to your keyboard or Touch Tracker operating instructions for the locations of the buttons referenced in this document.

The utility provides settings relating to camera functions, alarms, text display, and password protection. Some items supplement similar features that may be available through your controller.

Starting the Configuration Utility

To start the configuration utility, do the following:

1. Select the dome that you need to configure. Refer to the controller operating instructions for specific information.

2. Do one of the following:

- *If the dome is installed in a SensorNet or RS-422 operating network*, press and hold **Iris Open**, press and hold **Focus Near** or **Focus Far**, then press **Zoom Out**.
- *If the dome is installed in a Manchester network*, turn the key switch to **Prog** (or disable the system lock on the Touch Tracker), enter **66**, then press **Set Shot**.

The following text appears on the monitor.

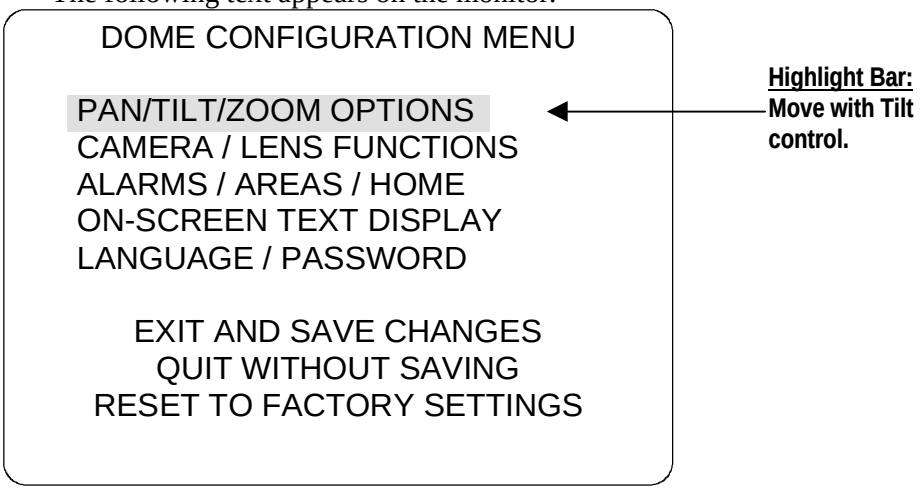


Figure 1-1: Dome Configuration Menu

Note If you have password protection enabled for the configuration utility, the `Enter Password` screen appears first. You must correctly enter the password before the `Dome Configuration Menu` will appear. For information about entering the password, refer to *Password Protection* on page 1-4.

Moving Around the Screen and Selecting Choices

All screens in the configuration utility use the same controls to move the highlight bar around the screen and to make selections. For combination keystrokes, press and hold each button in sequence, then release. **Refer to your controller operating instructions for the locations of the buttons.**

Note: Where no specific **Focus** button is listed, either **Focus Near** or **Focus Far** may be used.

Function	Control
Starts the configuration utility (*SensorNet or RS-422 only*)	**Iris Open, Focus,** then **Zoom Out**
Starts the configuration utility (*Manchester only*)	Key switch to **Prog**, **66**, then **Set Shot**
Save changes and exits the utility from any screen[1]	**Iris Close,** then **Focus**
Moves highlight bar to the previous item on the screen	**Tilt Up**
Moves highlight bar to the next item on the screen	**Tilt Down**
Moves highlight bar to the next position right	**Pan Right**
Moves highlight bar to the next position left	**Pan Left**
Selects the highlighted item on the screen	**Focus Far**
Increases the value of the selected field or displays the next choice for the field.	**Zoom In (Zoom Tele)**
During naming, moves the cursor to the right of the current character in the name.	
Decreases the value of the selected field, or displays the previous choice for the field.	**Zoom Out (Zoom Wide)**
During naming, moves the cursor to the left of the current character in the name.	

Exiting the Utility

When you finish working with the configuration utility, you can save your changes and exit the utility by pressing and holding **Iris Close**, then pressing **Focus Near** or **Focus Far**.[2]

[1] This command is not supported with Manchester.
[2] Not supported with Manchester.

From the Dome Configuration Menu, you have two choices for exiting the utility: Exit and Save Changes or Quit Without Saving. Use the **Tilt** control to move the highlight bar up and down on the screen.

- If you want to keep the changes you made, move the highlight bar to Exit and Save Changes, then press **Focus Far**. The utility closes.
- If you want to exit without making changes, highlight Quit Without Saving, then press **Focus Far**. The following prompt appears on the screen:

```
Data Not Saved. Quit Anyway?
No
```

Press **Zoom In** or **Zoom Out** to toggle the setting. If you want to cancel the changes, select Yes, then press **Focus Far**. If you want to keep the changes, select No, then press **Focus Far**. If you choose No, the Dome Configuration Menu is displayed.

Note If areas are programmed, you ***cannot*** restore the old area boundaries by quitting without saving changes from the Dome Configuration Menu. Areas are the only settings that will not be restored by selecting Quit Without Saving.

Password Protection

To prevent unauthorized users from starting the configuration utility, you can enable password protection.

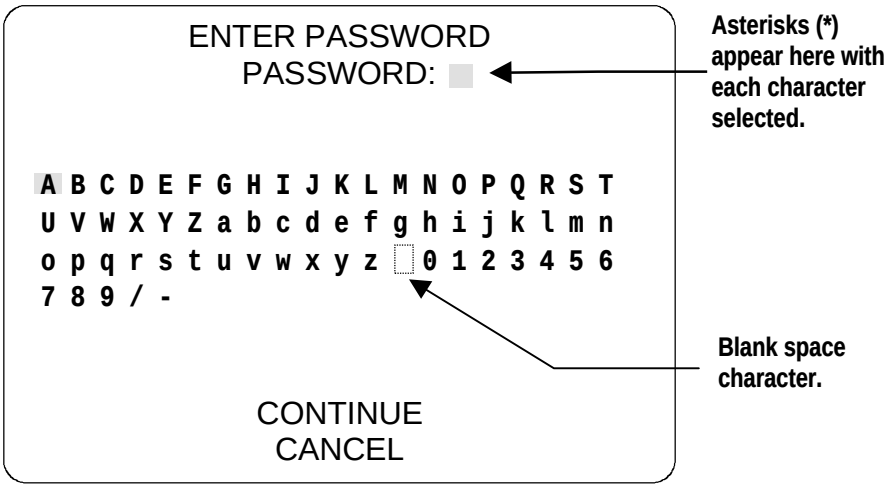

ENTER PASSWORD
PASSWORD:
A B C D E F G H I J K L M N O P Q R S T
U V W X Y Z a b c d e f g h i j k l m n
o p q r s t u v w x y z 0 1 2 3 4 5 6
7 8 9 / -
CONTINUE
CANCEL
Asterisks (*) appear here with each character selected.
Blank space character.

Figure 1-2: Enter Password Screen

This will require users to enter the password before the Dome Configuration Menu will display. The password may be from 1 to 8 characters long.

- Use the **Pan** or **Tilt** control move the cursor around the character field.
- Press **Focus Far** to enter the highlighted character.

- Press **Zoom In** to move the cursor in the `Password` field to the right; press **Zoom Out** to move the cursor in the `Password` field to the left.

As each character in the password is selected, asterisks (*) appear in the `Password` field. When you have finished entering the password, use the **Tilt** control to move the highlight bar to `Continue`, then press **Focus Far**. If the password has been correctly entered, the `Dome Configuration Menu` appears. If the password was not entered correctly, the `Enter Password` screen remains on the monitor.

If you do not want to start the configuration utility, use the **Tilt** control to move the highlight bar to `Cancel`, then press **Focus Far**.

I M P O R T A N T

If you forget the password, contact technical support for instructions about overriding the existing password.

Restoring Factory Settings

Note Selecting `Reset to Factory Settings` from the `Dome Configuration Menu` ***does not*** change the following settings: Camera Name, Alarm Names, Area Names, Preset Names, Pattern Names, Area Boundaries, and Presets. To reset names to the default settings, refer to Chapter 5, *On-Screen Text Display Settings*.

Some screens provide a choice to `Reset to Factory Settings`. This choice applies only to those settings currently displayed on the screen. To reset all configuration settings, choose `Reset to Factory Settings` from the `Dome Configuration Menu`. You will see the following prompt:

```
Reset to Factory Settings
      No
```

Press **Zoom In** or **Zoom Out** to toggle the setting. If you want to restore the factory settings, select `Yes`, then press **Focus Far**. If you do not want to restore the factory settings, select `No`, then press **Focus Far**.

Where To Go Next

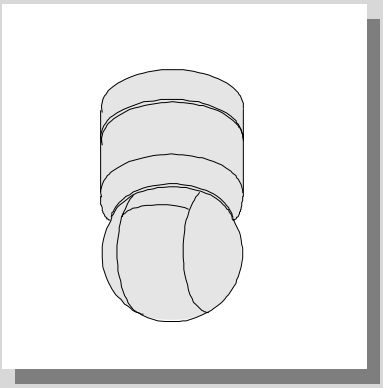
Now that you understand how to start and work with the configuration utility, you are ready to begin changing the settings for your dome. Use the following chart to determine which chapters you should use next.

Chapter	Topics Covered
Chapter 2: Pan, Tilt, and Zoom Options	• Set the "flip" feature (rotates dome 180°) • Set first zoom stop (16X or 24X) and maximum zoom stop (up to 128X)
Chapter 3: Camera and Lens Functions	• Set line lock (prevents vertical rolling when camera is switched) • Enable automatic or manual gain settings • Enable automatic or manual white balance settings (red and blue values)
Chapter 4: Alarms, Areas, and Home Settings	• Set alarm actions (preset, pattern, or no action) • Configure normal input states for alarms (open or closed) • Send input states to host controller • Set "home" position for dome • Program area boundaries • Program presets
Chapter 5: On-Screen Text Display Settings	• Display or hide dome status information • Display or hide camera, preset, pattern, area or alarm name information • Display diagnostic information or firmware version information during dome reset • Assign names to camera, presets, patterns, areas, and alarms • Reset all names to factory defaults • Set text attributes (outline and translucent characters)
Chapter 6: Language and Password Settings	• Choose the language for the menus and prompts • Set password • Enable or disable password feature

Keeping Records

Appendix A, *Records*, summarizes the default values for each configuration setting. In addition, it provides space for writing information about the settings you change. Be sure to keep records for each SpeedDome Ultra IV Camera Dome installed at your facility.

CHAPTER 2



Pan, Tilt, and Zoom Options

In This Chapter

- Overview of Pan, Tilt, and Zoom Settings
- Setting the “Flip” Feature
- Setting Zoom Stop Factors
- What To Do Next

Overview of Pan, Tilt, and Zoom Settings

When Pan/Tilt/Zoom Options is selected from the Dome Configuration Menu, the following screen appears:

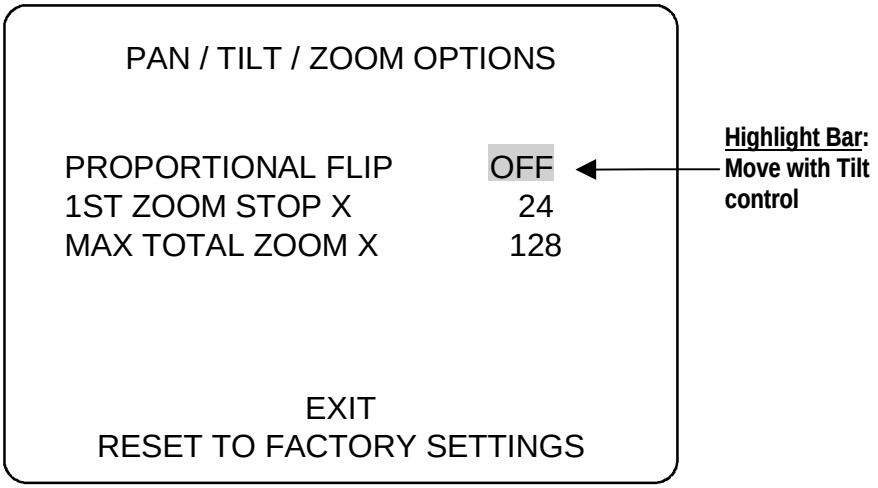


Figure 2-1: Pan / Tilt / Zoom Screen

From this screen you can, enable or disable the flip feature and set the first zoom stop and maximum zoom settings.

- To move the highlight bar, use the **Tilt** control.
- Pressing **Zoom Out** or **Zoom In** changes value of the selected setting.
- If you want to save your changes, move the highlight bar to Exit, then press **Focus Far** to return to the Dome Configuration Menu.
- If you want to change the settings for this screen to the factory defaults, move the highlight bar to Reset to Factory Settings, then press **Focus Far**.

Setting the Automatic "Flip" Feature

The automatic (or proportional) "flip" feature allows the dome to automatically turn 180-degrees when the camera tilts to its lower limit and stays in that position for a brief delay. The duration of the delay is inversely proportional to the tilt speed.

When the dome flips (rotates), the camera starts moving upward as long as the tilt control is kept in the down position. Once the tilt control is released, the control returns to its normal operational mode. The flip feature is useful when you need to track someone who walks directly beneath the dome and continues on the other side.

When the flip feature is disabled, the dome stops when the tilt down stop is reached.

To change the flip setting:

1. Select Pan/Tilt/Zoom Options from the Dome Configuration Menu.

The highlight bar appears on the Proportional Flip setting.

2. Press **Zoom Out** or **Zoom In** to toggle the setting.

    - If you want the flip feature enabled, select `On`.
    - If you want the flip feature disabled, select `Off`.

    The default setting is `Off`.

3. Do one of the following:

    - If you want to make changes to the zoom stop settings, continue with *Setting the Zoom Stop Factors* on page 2-3.
    - If you are finished making changes, press and hold **Iris Close**, then press **Focus Near** or **Focus Far** to save your changes and exit the utility.[1]
    - If you want to make changes to other settings, use the **Tilt** control to move the highlight bar to `Exit`, then press **Focus Far**. The `Dome Configuration Menu` appears. Continue with *What To Do Next* on page 2-5.

Setting the Zoom Stop Factors

Zoom stop factors define how to partition the zoom function.
For example, you set the first zoom stop to 16X and the maximum zoom to 112X. If the current zoom factor is less than 16X, pressing **Zoom In** continuously causes the zoom to stop at 16X. If the current zoom factor is 16X (or greater), pressing **Zoom In** continuously causes the zoom to stop at 112X. The second zoom stop will be in effect until the zoom factor is reduced to less than the first zoom stop factor (16X) *and* the zoom button is released for one second or longer.

The margin of error for the zoom stop factor is ± 2X for the dome.

Setting the First Zoom Stop

1. Select `Pan/Tilt/Zoom Options` from the `Dome Configuration Menu`.
2. Use the **Tilt** control to move the highlight bar to the `1st Zoom Stop X` setting.
3. Press **Zoom Out** or **Zoom In** to change the setting.

    - If you want the first zoom stop to be 16X magnification, select `16`.
    - If you want the first zoom stop to be 24X magnification, select `24`.

    The default setting is `24X`.

4. Do one of the following:

    - If you want to change the maximum zoom setting, continue with *Changing the Maximum Zoom Setting* on page 2-4.
    - If you want to make changes to the flip setting, refer to *Setting the Automatic "Flip"* Feature on page 2-2.
    - If you are finished making changes, press and hold **Iris Close**, then press **Focus Near** or **Focus Far** to save your changes and exit the utility.[2]

[1] This command is not supported with Manchester.

- If you want to make changes to other settings, use the **Tilt** control to move the highlight bar to `Exit`, then press **Focus Far**. The `Dome Configuration Menu` appears. Continue with *What To Do Next* on page 2-5.

Changing the Maximum Zoom Setting

1. Select `Pan/Tilt/Zoom Options` from the `Dome Configuration Menu`.
2. Use the **Tilt** control to move the highlight bar to the `Max Total Zoom X` setting.

The values for the setting are: 32X, 48X, 64X, 80X, 96X, 112X and 128X magnification.

The default setting is 64X.

3. Press **Zoom Out** to decrease the value of the setting.
   Press **Zoom In** to increase the value of the setting.
4. Do one of the following:

   - If you want to make changes to the flip setting, refer to *Setting the Automatic "Flip"* Feature on page 2-2.
   - If you want to make changes to the first zoom stop, refer to *Setting the First Zoom Stop* on page 2-3.
   - If you are finished making changes, press and hold **Iris Close**, then press **Focus Near** or **Focus Far** to save your changes and exit the utility.
   - If you want to make changes to other settings, use the **Tilt** control to move the highlight bar to `Exit`, then press **Focus Far**. The `Dome Configuration Menu` appears. Continue with *What To Do Next* on page 2-5.

[2] This command is not supported with Manchester.

What To Do Next

When you select `Exit` from the `Pan/Tilt/Zoom Options` screen, the `Dome Configuration Menu` appears.

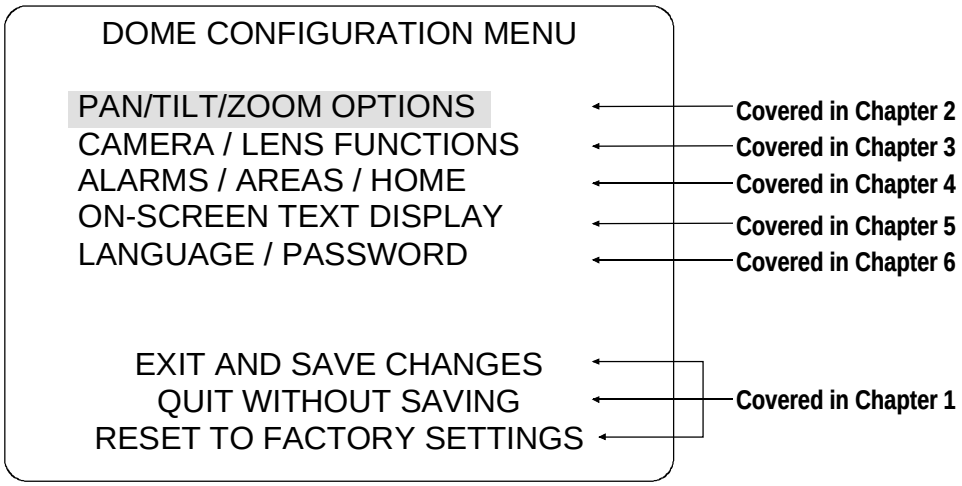


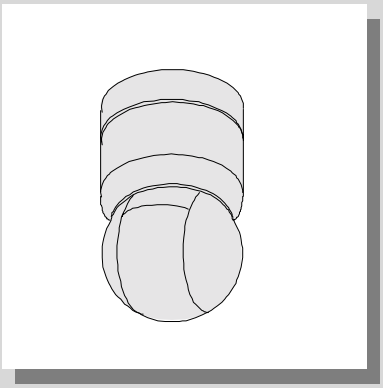
Figure 2-2: Dome Configuration Menu

From this screen you can:

- Select an option to make additional changes. These topics are covered in chapters 2 through 6.
- Save the changes you made and exit the utility. This topic is covered in Chapter 1.
- Exit the utility without saving changes. This topic is covered in Chapter 1.
- Restore all settings to the factory defaults. This topic is covered in Chapter 1.

Use the **Tilt** control to move the highlight bar to selection you want to use, then press **Focus Far**. Refer to the related chapter for additional information.

C H A P T E R 3



Camera and Lens Functions

In This Chapter

- Overview of Camera and Lens Settings
- Setting Line Lock
- Automatic Gain Control Settings
- Adjusting White Balance
- What To Do Next

Overview of Camera and Lens Function Settings

When Camera / Lens Functions is selected from the Dome Configuration Menu, the following screen appears:

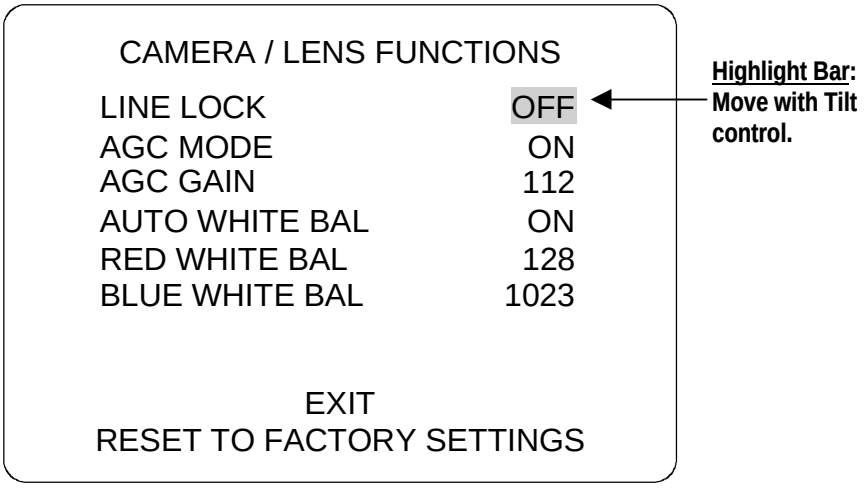


Figure 3-1: Camera and Lens Functions Screen

From this screen you can set the line lock to prevent video rolling, set automatic gain control to either automatic or manual, and adjust the white balance settings.

- To move the highlight bar, use the **Tilt** control.
- Pressing **Zoom Out** or **Zoom In** changes value of the selected setting.
- When you finish making changes, move the highlight bar to Exit, then press **Focus Far** to return to the Dome Configuration Menu.
- If you want to change the settings for this screen to the factory defaults, move the highlight bar to Reset to Factory Settings, then press **Focus Far**.

Setting Line Lock

Use the Line Lock setting to prevent vertical rolling or adjust the appearance of overlay text on color monitors.

If you experience problems with vertical video rolling when switching multiple cameras to a single monitor, enabling the line lock will phase lock the video with the AC power line. All cameras connected to the same power supply will be synchronized. This synchronization prevents the video from rolling vertically when cameras are switched.

To change the line lock setting:

1. Select Camera / Lens Functions from the Dome Configuration Menu.

The highlight bar appears on the Line Lock setting.

2. Press **Zoom Out** or **Zoom In** to change the setting.

- If you want to enable the line lock, select `On`.
- If you want to disable the line lock, select `Off`.

The default setting is `On`.

3. Do one of the following:

   - If you want to make changes to the automatic gain control settings, refer to *Automatic Gain Control Settings* on page 3-3.
   - If you want to make changes to the white balance settings, refer to *Adjusting White Balance* on page 3-5.
   - If you are finished making changes, press and hold **Iris Close**, then press **Focus Near** or **Focus Far** to save your changes and exit the utility.[1]
   - If you want to make changes to other settings, use the **Tilt** control to move the highlight bar to `Exit`, then press **Focus Far**. The `Dome Configuration Menu` appears. Continue with *What To Do Next* on page 3-8.

Note The change in line lock setting is not immediate. The dome must reinitialize (reset) for the change in the line lock setting to take place. When you exit the configuration utility, you will receive the following prompt:

```
DOME MUST RESET TO
CHANGE LINE LOCK MODE.

RESET DOME NOW?          NO
```

Press **Zoom In** or **Zoom Out** to toggle the selection. If you do not want to reinitialize the dome, select `No`, then press **Focus Far**. If you want to reinitialize the dome, select `Yes`, then press **Focus Far**.

The default selection is `No`.

Automatic Gain Control Settings

Automatic Gain Control (AGC) allows for the amplification of the video signal in scenes with minimal ambient light. Many low-light scenes result in picture noise. As gain is increased, the picture noise is also amplified.

When AGC is enabled, the the gain setting value is based on feedback from the camera. When AGC is disabled, the camera uses the manual gain setting value. The trade-off between picture level and noise may be adjusted when AGC is disabled.

[1] This command is not supported with Manchester.

Setting the AGC Mode

1. Select `Camera / Lens Functions` from the `Dome Configuration Menu`.
2. Use the **Tilt** control to move the highlight bar to the `AGC Mode` setting.
3. Press **Zoom Out** or **Zoom In** to change the setting.
   - If you want the AGC to be automatic, select `On`.
   - If you want the AGC to be manual, select `Off`. Then continue with *Changing the AGC Manual Gain Setting* on page 3-4.

   The default setting is `On`.
4. Do one of the following:
   - If you want to make changes to the line lock setting, refer to *Setting Line Lock* on page 3-2.
   - If you want to make changes to the white balance settings, refer to *Adjusting White Balance* on page 3-5.
   - If you are finished making changes, press and hold **Iris Close**, then press **Focus Near** or **Focus Far** to save your changes and exit the utility.[2]
   - If you want to make changes to other settings, use the **Tilt** control to move the highlight bar to `Exit`, then press **Focus Far**. The `Dome Configuration Menu` appears. Continue with *What To Do Next* on page 3-8.

Changing the AGC Manual Gain Setting

Note `AGC Mode` must be set to `Off` to make changes to this setting.

1. Select `Camera / Lens Functions` from the `Dome Configuration Menu`.
2. Use the **Tilt** control to move the highlight bar to the `AGC Gain` setting.
3. Press **Zoom Out** to decrease value of the setting.
   Press **Zoom In** to increase the value of the setting.

The values for the setting range from 0 to 1128.

4. Do one of the following:
   - If you want to make changes to the line lock setting, refer to *Setting Line Lock* on page 3-2.
   - If you need to make adjustments in the white balance, refer to *Adjusting White Balance* on page 3-5.
   - If you are finished making changes, press and hold **Iris Close**, then press **Focus Near** or **Focus Far** to save your changes and exit the utility.[3]

[2] This command is not supported with Manchester.

- If you want to make changes to other settings, use the **Tilt** control to move the highlight bar to `Exit`, then press **Focus Far**. The `Dome Configuration Menu` appears. Continue with *What To Do Next* on page 3-8.

Adjusting White Balance

White balance is normally compensated for by the automatic white balance gain control. In some lighting conditions, you may need to manually adjust the red and blue settings for optimal viewing.

When Automatic White Balance is enabled, the red and blue setting values are based on feedback from the camera. When Automatic White Balance is disabled, the camera uses the red and blue setting values to control the white balance. The following illustration depicts the relationship between the red blue settings to white balance.

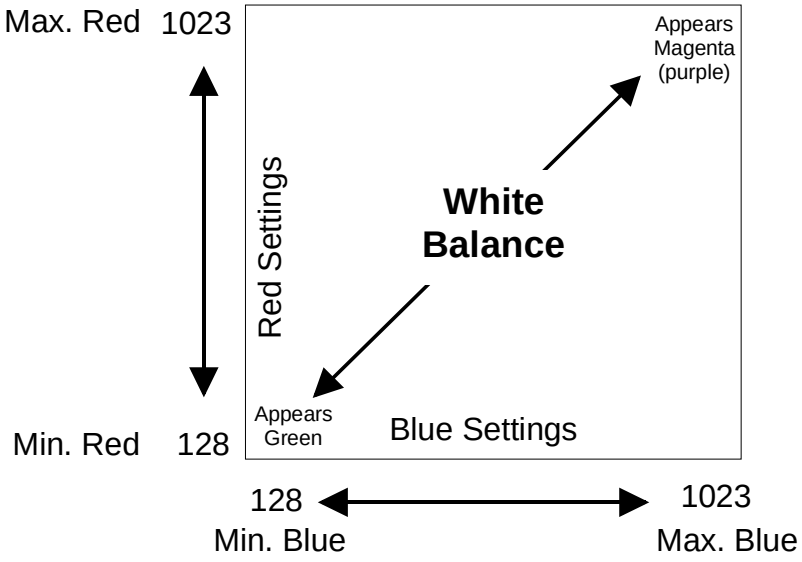


Figure 3-2: White Balance Settings

As the value for the red setting increases, the image appears more red; as the value decreases, the image appears more blue. The range of the red setting is 128 (minimum red) to 1023 (maximum red).

As the value for the blue setting increases, the image appears more blue; as the value decreases, the image appears more red. The range for the blue setting is 128 (minimum blue) to 1023 (maximum blue).

As the values for both the red and blue settings are increased, the image appears more magenta (purple). As the values for both the red and blue settings are decreased, the image appears more green.

Setting the Automatic White Balance Feature

1. Select `Camera / Lens Functions` from the `Dome Configuration Menu`.
2. Use the **Tilt** control to move the highlight bar to the `Auto White Bal` setting.

[3] This command is not supported with Manchester.

3. Press **Zoom Out** or **Zoom In** to change the setting.

   - If you want the white balance to be automatic, select `On`.
   - If you want manually adjust the red or blue settings, select `Off`. Then continue with *Changing the Red and Blue Settings* on page 3-6.

   The default setting is `On`.

4. Do one of the following:

   - If you want to make changes to the line lock setting, refer to *Setting Line Lock* on page 3-2.
   - If you want to make changes to the automatic gain control settings, refer to *Automatic Gain Control Settings* on page 3-3.
   - If you are finished making changes, press and hold **Iris Close**, then press **Focus Near** or **Focus Far** to save your changes and exit the utility.[4]
   - If you want to make changes to other settings, use the **Tilt** control to move the highlight bar to `Exit`, then press **Focus Far**. The `Dome Configuration Menu` appears. Continue with *What To Do Next* on page 3-8.

Changing the Red and Blue Settings

Note `Auto White Bal` must be set to `Off` to make changes to this setting.

1. Select `Camera / Lens Functions` from the `Dome Configuration Menu`.
2. If you want to make changes to the red setting, use the **Tilt** control to move the highlight bar to `Red White Bal`, then continue with step 3.

   If you want to make changes to the blue setting, continue with step 4.

3. Press **Zoom In** or **Zoom Out** to adjust the setting. The values range from 128 to 1023.

   - Press **Zoom In** to increase the value of the setting.
   - Press **Zoom Out** to decrease value of the setting.

   There is no default value for the red setting.

4. Do one of the following:

   - If you want to make changes to the blue setting, use the **Tilt** control to move the highlight bar to `Blue White Bal`, then continue with step 5.
   - If you are finished making changes, continue with step 6.

5. Press **Zoom In** or **Zoom Out** to adjust the setting. The values range from 128 to 1023.

   - Press **Zoom In** to increase the value of the setting.

[4] This command is not supported with Manchester.

- Press **Zoom Out** to decrease value of the setting.

  There is no default value for the blue setting.

6. Do one of the following:

   - If you want to make changes to the line lock setting, refer to *Setting Line Lock* on page 3-2.
   - If you need to make adjustments in the automatic gain control, refer to *Automatic Gain Control Settings* on page 3-3.
   - If you are finished making changes, press and hold **Iris Close**, then press **Focus Near** or **Focus Far** to save your changes and exit the utility.[5]
   - If you want to make changes to other settings, use the **Tilt** control to move the highlight bar to `Exit`, then press **Focus Far**. The `Dome Configuration Menu` appears. Continue with *What To Do Next* on page 3-8.

[5] This command is not supported with Manchester.

What To Do Next

When you select `Exit` from the `Camera / Lens Functions` screen, the `Dome Configuration Menu` appears.

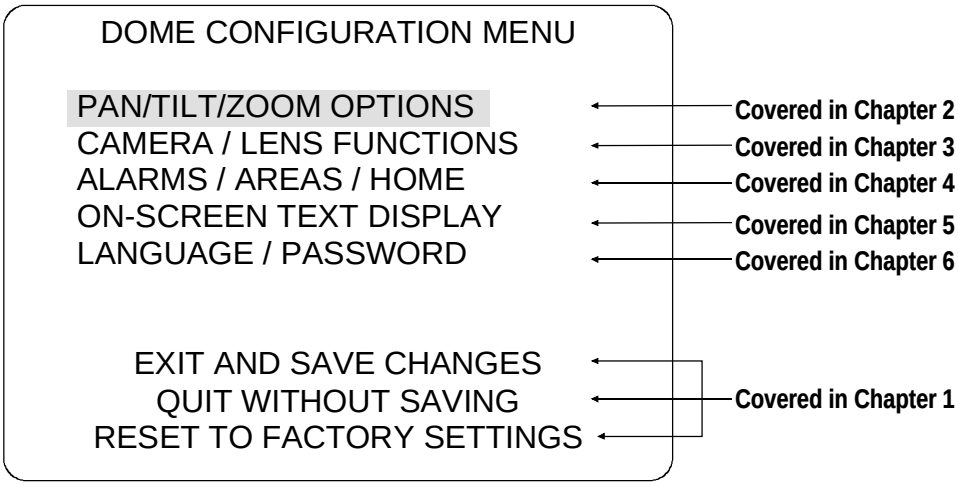


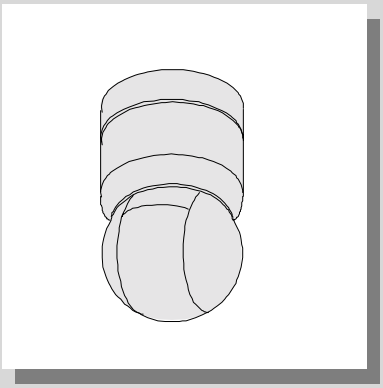
Figure 3-3: Dome Configuration Menu

From this screen you can:

- Select an option to make additional changes. These topics are covered in chapters 2 through 6.
- Save the changes you made and exit the utility. This topic is covered in Chapter 1.
- Exit the utility without saving changes. This topic is covered in Chapter 1.
- Restore all settings to the factory defaults. This topic is covered in Chapter 1.

Use the **Tilt** control to move the highlight bar to selection you want to use, then press **Focus Far**. Refer to the related chapter for additional information.

CHAPTER 4



Alarms, Areas, and Home Settings

In This Chapter

- Overview of Alarms, Areas, and Home Position Settings
- Configuring Alarm Actions
- Configuring Normal Input States
- Assigning the Dome's Home Position
- Programming Area Boundaries
- Programming Presets
- What To Do Next

Overview of Alarms, Areas, and Home Position Settings

When Alarms/Areas/Home is selected from the Dome Configuration Menu, the following screen is displayed:

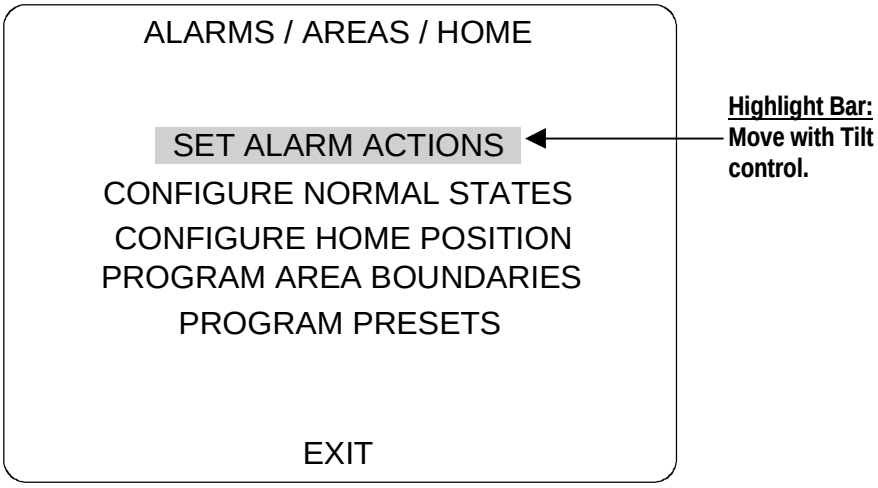


Figure 4-1: Alarm / Areas / Home Screen

From this menu you can choose to configure alarm actions, configure normal states for alarm inputs, set area boundaries, program presets, and assign the "home position" for the dome.

- To move the highlight bar, use the **Tilt** control. Press **Focus Far** to make a selection.
- Pressing **Zoom Out** or **Zoom In** changes the value of the settings on the subsequent screens.
- When you finish making changes, move the highlight bar to Exit. Press **Focus Far** to return to the Dome Configuration Menu.

Configuring Alarm Actions

I M P O R T A N T

When operating on Manchester networks, the dome can be programmed to respond to any of the four available alarm inputs. However, the dome cannot transmit alarm input states to the host controller. If transmitting the alarm state to the host controller is required, the alarm device must be wired directly to the host controller.

When Set Alarm Actions is selected from Alarms/Areas/Home screen, the following screen is displayed:

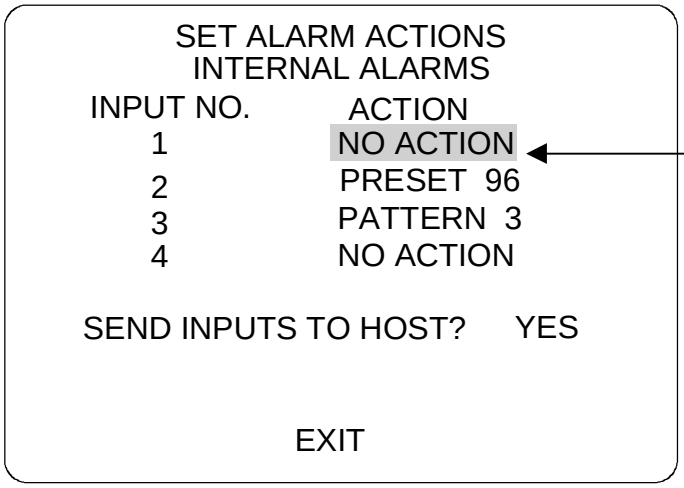


Figure 4-2: Set Alarm Actions Screen

Alarms can be processed internally by the dome, externally by the controller, or both. Internal alarms are configured by setting a preset or pattern.

A *preset* is a programmed video scene, based on a specific pan, tilt, zoom, and focus settings. A *pattern* is a series of pan, tilt, zoom and focus movements from a single programmable dome.

For each of the four alarm inputs, you can choose to display a preset or pattern whenever the alarm's input state changes from normal to abnormal. Or you may choose to have no internal alarm associated with the input. You may also choose to send changes in the input state to the host controller. If the changes in input state are sent to the host, the host actions have higher priority than the associated dome actions.

Note An active internal alarm only resets when the input state changes to "normal." A manual reset is *not* available.

Assigning Alarm Actions

I M P O R T A N T

Certain controllers allow the alarm actions for domes to be specified at the controller. These controllers include VM16 Plus, VM32, VM96, ADTT16, AD32, AD matrices with AD2083-02A code units, or AD168 with CCM or AD2083-02A. **Do not use both the dome configuration utility and the controller to assign the alarm actions for the same input.** Use *only* the dome configuration utility ***or*** the controller to the assign the alarm actions.

To configure alarm actions, do the following:

1. Select `Alarms/Areas/Home` from the `Dome Configuration Menu`.

The highlight bar appears on the `Set Alarm Actions` option. Press **Focus Far** to select.

2. Use the **Tilt** control to move the highlight bar to the appropriate alarm input.

3. Press **Zoom In** or **Zoom Out** to change the setting.

    - If you want the action to be a preset, choose `Preset` then continue with step 4.
    - If you want the action to be a pattern, choose `Pattern` then continue with step 4.
    - If you do not want a special action for this input, choose `No Action` then continue with step 5.
      The default setting is `No Action`.

4. Use **Pan Right** to move the highlight bar to the `Action Number` field, then press **Zoom In** or **Zoom Out** to change the setting.

    - If the alarm action is a preset, select the number from 1 through 96 for the preset you want to assign.
      If the preset has not been programmed, preset programming automatically starts. Refer to *Programming Presets* on page 4-11.
      If the preset has been programmed, continue with step 5.
    - If the alarm action is a pattern, select the number (1 through 3) for the pattern you want to assign. Then continue with step 5.

5. If you need to make additional changes to the alarm actions for this dome, repeat steps 3 through 5. When finished, continue with step 6.

6. Use the **Tilt** control to move the highlight bar to `Send Inputs to Host?`

7. Press **Zoom In** or **Zoom Out** to change the setting.

    - If you want changes in the input states to be forwarded to the host controller, choose `Yes`.[1] Continue with step 8.

    - If you do not want changes in the input states to be forwarded to the host controller, choose `No`. Continue with step 8.

    The default setting is `Yes`.

8. Use the **Tilt** control to move the highlight bar to `Exit`. Press **Focus Far** to return to the `Alarm/Areas/Home` screen, then continue with step 9.

9. When the `Alarm/Areas/Home` screen appears, do one of the following:

    - If you want to configure the input states, continue with *Configuring Normal Input States* on page 4-5.
    - If you want to set the "home" position, continue with *Assigning the Dome's Home Position* on page 4-7.
    - If you want to define areas, continue with *Programming Area Boundaries* on page 4-9.
    - If you want to define presets, continue with *Programming Presets* on page 4-11.

[1] This setting does not apply to Manchester.

- If you are finished making changes, press and hold **Iris Close**, then press **Focus Near** or **Focus Far** to save your changes and exit the utility.[2]
- If you want to make changes to other settings, use the **Tilt** control to move the highlight bar to `Exit`, then press **Focus Far**. The `Dome Configuration Menu` appears. Continue with *What To Do Next* on page 4-13.

Configuring Normal Input States

I M P O R T A N T

Certain controllers allow the normal input states for domes to be specified at the controller. These controllers include VM96, AD matrices with AD2083-02A code units or AD168 matrix with AD168CCM or AD2083-02A code unit. **Do not use both the dome configuration utility and the controller to assign the normal input states.** Use *only* the dome configuration utility ***or*** the controller to the assign the normal input states.

When `Configure Normal States` is selected from the `Alarm/Areas/Home` screen, the following is displayed:

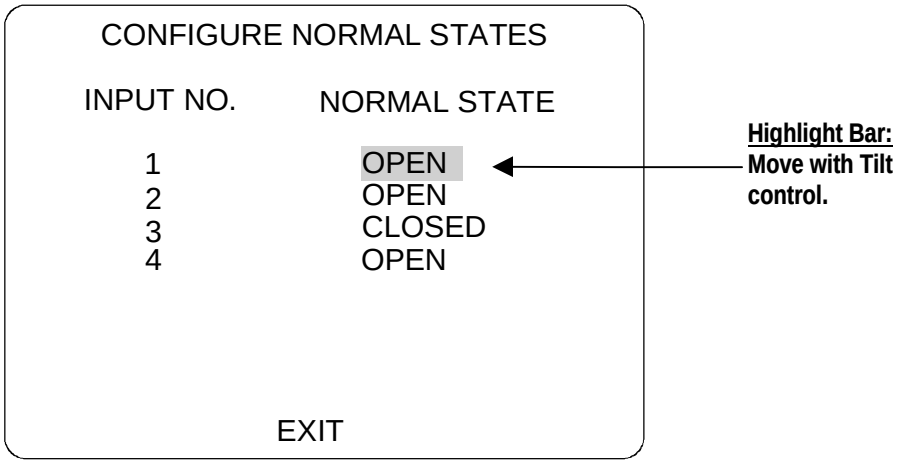


Figure Chapter 4 -3: Configure Normal States Screen

Use this screen to assign open or closed as the normal state for the dome inputs. When an input state changes from normal to abnormal and an internal alarm action is associated with the input, the alarm is triggered. The normal state is used by both internal alarms and controller defined alarms.

[2] This command is not supported with Manchester.

Setting Normal Input States

I M P O R T A N T

When operating on Manchester networks, the dome can be programmed to respond to any of the four available alarm inputs. However, the alarm input states cannot be transmitted to the host controller. If transmitting the alarm state to the host controller is required, the alarm device must be wired directly to the host controller.

To set the normal input states, do the following:

1. Select `Alarms/Areas/Home` from the `Dome Configuration Menu`.
2. Use the **Tilt** control to move the highlight bar to `Configure Normal States`, then press **Focus Far**.
3. Use the **Tilt** control to move the highlight bar to the appropriate input line.

I M P O R T A N T

In most cases, the normal input state for a dome's input should match the contact type of the connected switch. For example, assigning a normal input state of “closed” when the contact type for the switch is “open” triggers an internally-defined dome alarm when the dome input changes from closed to open.

4. Press **Zoom In** or **Zoom Out** to toggle the setting.
   - If the normal input state for the input is open, select `Open`.
   - If the normal input state for the input is closed, select `Closed`.

   The default setting is `Open`.
5. Repeat steps 3 and 4 for each input you need to change. When finished, continue with step 6.
6. Use the **Tilt** control to move the highlight bar to `Exit`. Press **Focus Far** to return to the `Alarms/Areas/Home` screen.
7. When the `Alarms/Areas/Home` screen appears, do one of the following:
   - If you want to configure the alarm actions, continue with *Configuring Alarm Actions* on page 4-2.
   - If you want to set the “home” position, continue with *Assigning the Dome’s Home Position* on page 4-7.

- If you want to define areas, continue with *Programming Area Boundaries* on page 4-9.
- If you want to define presets, continue with *Programming Presets* on page 4-11.
- If you are finished making changes, press and hold **Iris Close**, then press **Focus Near** or **Focus Far** to save your changes and exit the utility.[3]
- If you want to make changes to other settings, use the **Tilt** control to move the highlight bar to `Exit`, then press **Focus Far**. The `Dome Configuration Menu` appears. Continue with *What To Do Next* on page 4-13.

Assigning the Dome's Home Position

When `Configure Home Position` is selected from the `Alarms/Areas/Home` screen, the following is displayed:

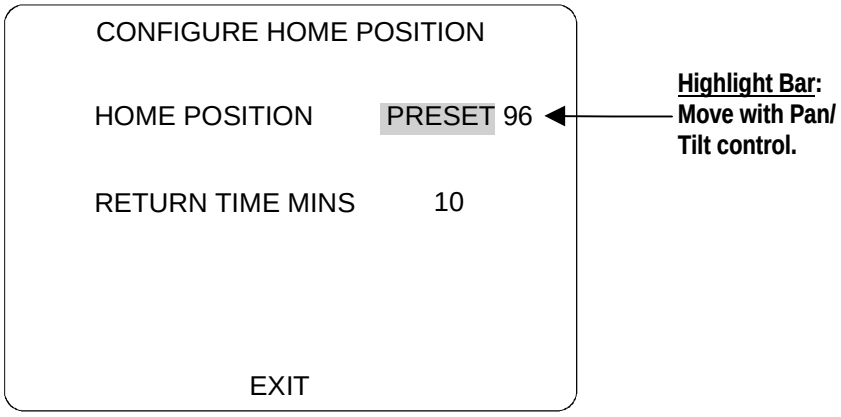


Figure 4-4: Configure Home Position Screen

Use this screen if you want the dome return to a preset or run a pattern after a specified period of inactivity.

Note When a pattern is selected as the home position, the pattern runs until it stopped manually by issuing a camera command such as tilt or focus.

Setting the Home Position

1. Select `Alarms/Areas/Home` from the `Dome Configuration Menu`.
2. Use the **Tilt** control to move the highlight bar to `Configure Home Position`, then press **Focus Far**.

The highlight bar appears on the `Home Position` setting.

3. Press **Zoom In** or **Zoom Out** to change the setting.

[3] This command is not supported with Manchester.

- If you want the home position to be a preset, select `Preset`, then continue with step 4.
- If you want the home position to be a pattern, select `Pattern`, then continue with step 4.
- If you do not want to set a home position, select `No Action`, then continue with step 6.

The default setting is `No Action`.

4. Use **Pan Right** to move the highlight bar to the `Number` field, then press **Zoom In** or **Zoom Out** to change the setting.

    - If the home position is a preset, select the number from 1 through 96 (1 through 64 for Manchester) for the preset you want to assign.

    If the preset has *not* been programmed, preset programming automatically starts. Refer to *Programming Presets* on page 4-11.

    If the preset has been programmed, continue with step 5.

    - If the home position is a pattern, the select the number from 1 through 3 for the pattern you want to assign. Continue with step 5.

5. Use the **Tilt** control to move the highlight bar to `Return Time Mins`. Press **Zoom Out** or **Zoom In** to set the amount of time that the dome must remain inactive before returning to the home position.

The range for the setting is `1` to `60` minutes.

The default setting is `10` minutes.

6. Use the **Tilt** control to move the highlight bar to `Exit`. Press **Focus Far** to return to the `Alarms/Areas/Home` screen. Continue with step 7.

7. When the `Alarms/Areas/Home` screen appears, do one of the following:

    - If you want to configure the alarm actions, continue with *Configuring Alarm Actions* on page 4-2.
    - If you want to configure the input states, continue with *Configuring Normal Input States* on page 4-5.
    - If you want to define areas, continue with *Programming Area Boundaries* on page 4-9.
    - If you want to define presets, continue with *Programming Presets* on page 4-11.
    - If you are finished making changes, press and hold **Iris Close**, then press **Focus Near** or **Focus Far** to save your changes and exit the utility.[4]
    - If you want to make changes to other settings, use the **Tilt** control to move the highlight bar to `Exit`, then press **Focus Far**. The `Dome Configuration Menu` appears. Continue with *What To Do Next* on page 4-13.

[4] This command is not supported with Manchester.

Programming Area Boundaries

Areas are programmed start and end points of a camera's field of view. Each area is a part of a circular viewing area that extends around the dome. The areas can be different sizes, as shown in the following illustration:

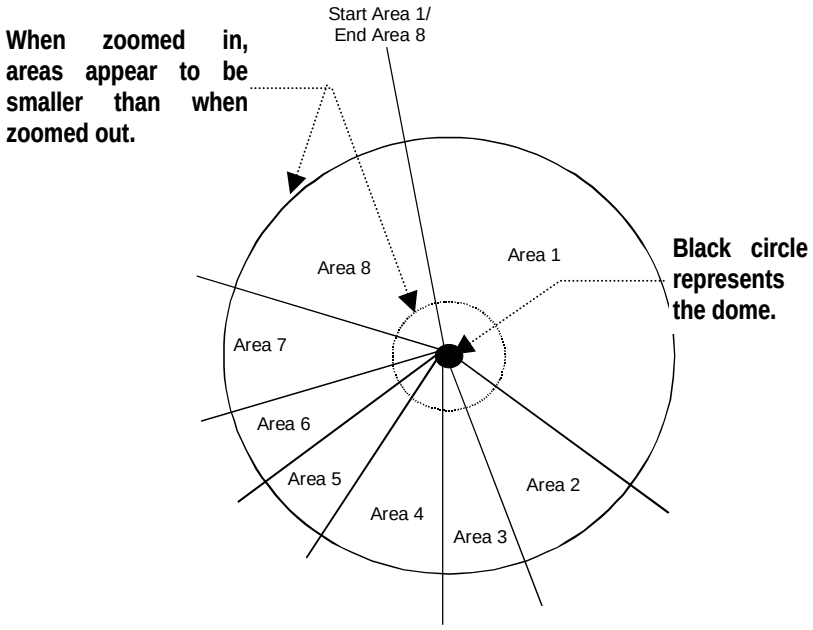


Figure 4-5: An example of areas

The end point of one area is the starting point for the next area. The end point of the last area cannot go past the starting point of the first area. If your controller supports areas, these are separate from the areas you can program with the dome. You should not use both the controller and the configuration utility to define areas.

The zoom setting also affects how large areas appear. When you zoom in to an area, the area may appear to be small. When you pan the dome, area boundaries may appear to be close. However, if you zoom out, the area appears to be larger. When you pan the dome, the area boundaries appear further apart. With this in mind, it will be easier to establish area boundaries if the zoom factor is small than if the zoom factor is large.

When `Program Area Boundaries` is selected from the `Alarms/Areas/Home` screen, the following appears:

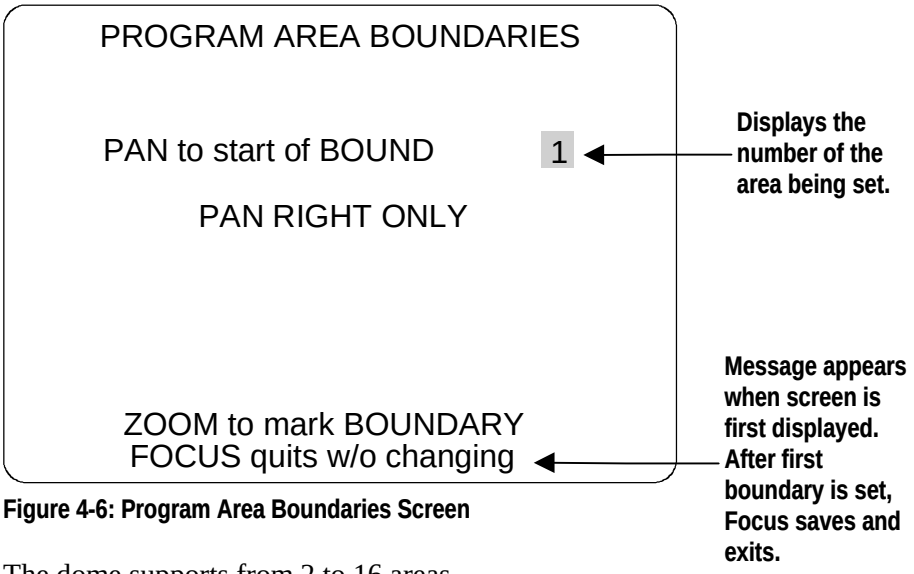

PROGRAM AREA BOUNDARIES
PAN to start of BOUND
1
PAN RIGHT ONLY
ZOOM to mark BOUNDARY
FOCUS quits w/o changing
Displays the number of the area being set.
Message appears when screen is first displayed. After first boundary is set, Focus saves and exits.

Figure 4-6: Program Area Boundaries Screen

The dome supports from 2 to 16 areas.

I M P O R T A N T

If areas are programmed, you cannot restore the old boundaries by selecting `Quit Without Saving` from the `Dome Configuration Menu`. Be aware of this limitation if you begin to make changes to the boundaries and change your mind.

Setting Area Boundaries

Note When areas are programmed, each area is assigned a default name. Instructions for assigning new names appear in Chapter 5.

1. Select `Alarms/Areas/Home` from the `Dome Configuration Menu`.
2. Use the **Tilt** control to move the highlight bar to `Programming Area Boundaries`, then press **Focus Far**.

The `Program Area Boundaries` screen appears:

3. Use the **Pan** control to position the camera at the starting point of the first area, then press **Zoom In** or **Zoom Out**.
4. Use the **Pan Right** control to move the camera to the right until the ending point of the area is seen. *If you attempt to pan left, the error message in the note below appears.*
5. Press **Zoom In** or **Zoom Out** to set the end point of the area.
   The area number automatically advances.

6. Repeat steps 4 and 5 for each area you want to establish.

Note: You will see the following error message under certain conditions:

```
Error programming areas
   Focus Far to continue.
```

- If you attempt to program a boundary that passes the starting point of the first area
- If you move the camera left after establishing the first boundary

Return to step 1 and start again.

7. When the last area boundary is set, press **Focus Far**.
   The following confirmation message appears:

```
Areas saved successfully
   Focus Far to continue.
```

Press **Focus Far** to continue.

8. When the `Alarms/Areas/Home` screen appears, do one of the following:

   - If you want to configure the alarm actions, continue with *Configuring Alarm Actions* on page 4-2.
   - If you want to configure the input states, continue with *Configuring Normal Input States* on page 4-5.
   - If you want to set the "home" position, continue with *Assigning the Dome's Home Position* on page 4-7.
   - If you are finished making changes, press and hold **Iris Close**, then press **Focus Near** or **Focus Far** to save your changes and exit the utility.[5]
   - If you want to make changes to other settings, use the **Tilt** control to move the highlight bar to `Exit`, then press **Focus Far**. The `Dome Configuration Menu` appears. Continue with *What To Do Next* found on page 4-13.

Programming Presets

A *preset* is a programmed video scene with automatic pan, tilt, zoom, focus and iris settings. Presets may be assigned to alarm actions or as the "home" position for the dome. Up to 96 presets whose positions are saved in the domes firmware may be programmed. Domes installed in SensorNet or RS-422 networks support up to 96 presets. Domes installed in Manchester networks support up to 64 presets. If you attempt to program a preset numbered higher than 64 in a Manchester network, the controller beeps.

VM96 and AD matrices installed as RS-422 and SensorNet networks support "virtual" views. This means that the pan, tilt, zoom, focus, and iris settings are stored within the controller, not the dome. You cannot use the views that you define on those systems as the home position or an alarm action. You must use the presets programmed using this utility.

[5] This command is not supported with Manchester.

AD168 matrices with an AD168CCM control code module support Manchester, RS-422, and SensorNet networks and provide 64 virtual views. All other AD matrices support Manchester and 64 dome presets or, through the use of an AD2083-02A code unit, RS-422 networks and provide 16 virtual views.

Setting Presets

Note When presets are programmed, each preset is assigned a default name. Instructions for assigning new names appear in Chapter 5.

1. Select `Alarms/Areas/Home` from the `Dome Configuration Menu`.
2. Use the **Tilt** control to move the highlight bar to `Programming Presets`, then press **Focus Far**.

   The `Select Preset to Program` screen appears:

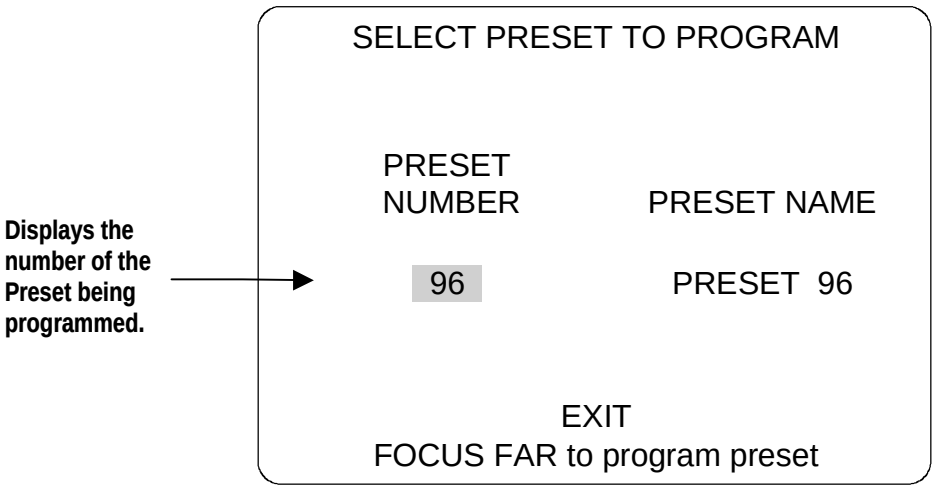


Figure Chapter 4 -7: Select Preset to Program screen

3. Press **Zoom In** or **Zoom Out** to change the number until the preset that you want to program appears, then press **Focus Far**. The `Program Preset` screen appears.

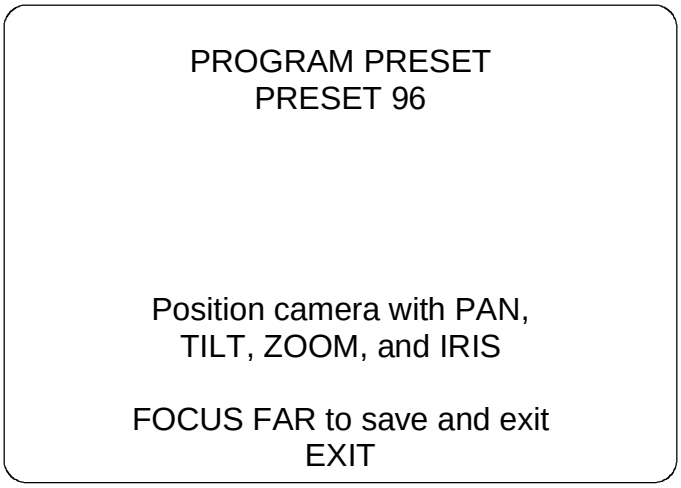


Figure 4-8: Program Preset screen

4. Use the **Pan** and **Tilt** controls to move the camera until you see the scene you want to use as the preset. Adjust the **zoom** and **iris** settings as necessary. Press **Focus Far** to save the preset.

5. Repeat steps 3 and 4 for each preset you want to program. When finished, use the **Tilt** control to move the highlight bar to `Exit`, then press **Focus Far**.

6. When the `Alarms/Areas/Home` screen appears, do one of the following:

    - If you want to configure the alarm actions, continue with *Configuring Alarm Actions* on page 4-2.
    - If you want to configure the input states, continue with *Configuring Normal Input States* on page 4-5.
    - If you want to set the "home" position, continue with *Assigning the Dome's Home Position* on page 4-7.
    - If you want to set areas, continue with *Programming Area Boundaries* on page 4-9.
    - If you are finished making changes, press and hold **Iris Close**, then press **Focus Near** or **Focus Far** to save your changes and exit the utility.[6]
    - If you want to make changes to other settings, use the **Tilt** control to move the highlight bar to `Exit`, then press **Focus Far**. The `Dome Configuration Menu` appears. Continue with *What To Do Next* found on page 4-13.

What To Do Next

When you select `Exit` from the `Alarms/Areas/Home` screen, the `Dome Configuration Menu` appears.

[6] This command is not supported with Manchester.

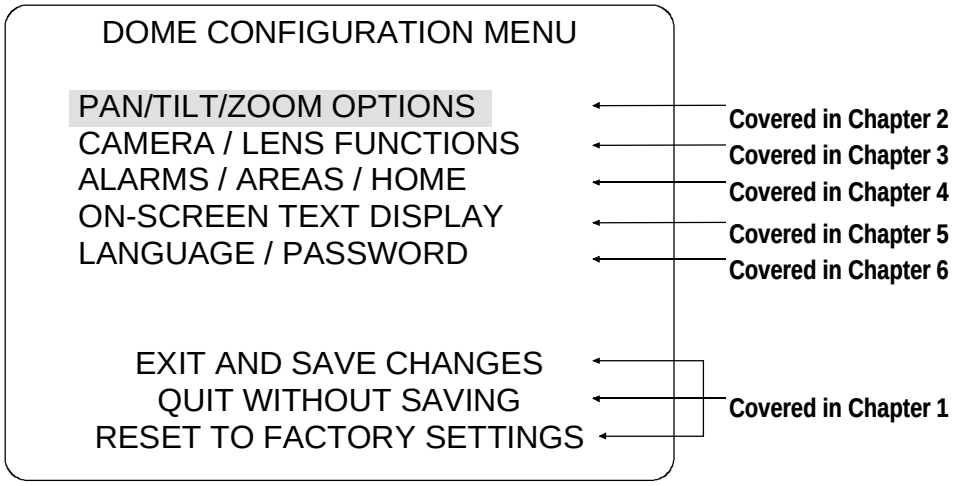


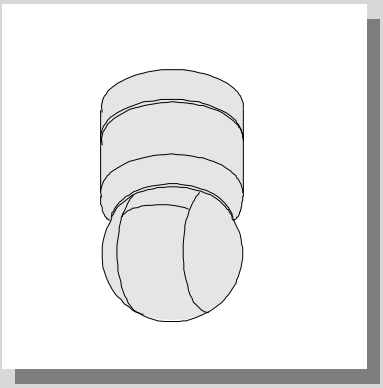
Figure 4-9: Dome Configuration Menu

From this screen you can:

- Select an option to make additional changes. These topics are covered in chapters 2 through 6.
- Save the changes you made and exit the utility. This topic is covered in Chapter 1.
- Exit the utility without saving changes. This topic is covered in Chapter 1.
- Restore all settings to the factory defaults. This topic is covered in Chapter 1.

Use the **Tilt** control to move the highlight bar to the selection you want to use, then press **Focus Far**. Refer to the related chapter for additional information.

CHAPTER 5



On-Screen Text Display Settings

In This Chapter

- Overview of On-Screen Text Display Settings
- Displaying or Hiding Status Information
- Displaying or Hiding Name Information
- Assigning or Changing Name Information
- Displaying Diagnostic Tests During Reset
- Changing Text Display Attributes
- What To Do Next

Overview of On-Screen Text Display Settings

When `On-Screen Text Display` is selected from the `Dome Configuration Menu`, the following screen is displayed:

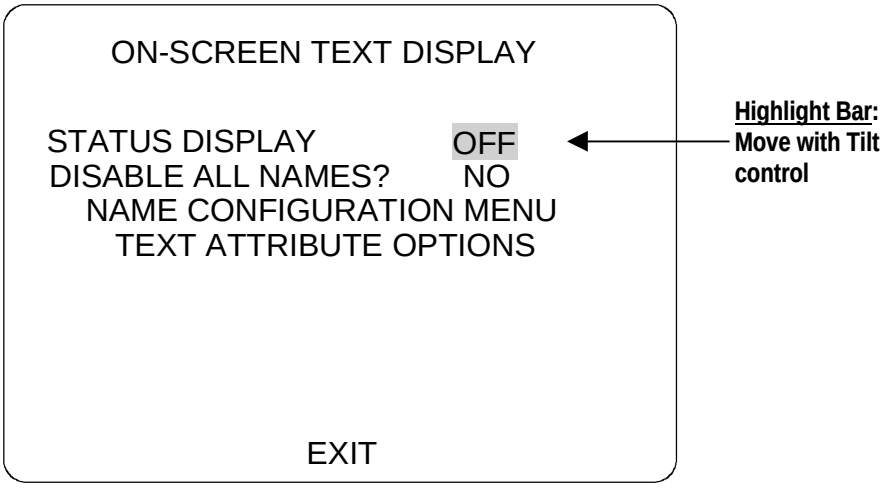


Figure 5-1: On-Screen Text Display

From this screen you can choose to display status information about the dome, choose to enable or disable the display of all name information, and choose to display diagnostic information after a dome reset. You can start the `Name Configuration Menu` and the `Text Attribute Options` screens.

- To move the highlight bar, use the **Tilt** control.
- Pressing **Zoom Out** or **Zoom In** changes value of the selected setting.
- When you finish making changes, move the highlight bar to `Exit,` then press **Focus Far** to return to the `Dome Configuration Menu`.

Displaying or Hiding Status Information

You can choose to display the status of the zoom setting, auto focus, and auto iris. This information will appear in the upper left corner of the monitor. The information only appears when there is a change in the status of any item and remains on the screen for 5 seconds. If "D" appears next to the zoom factor, the digital zoom is active (zooms greater than 16X).

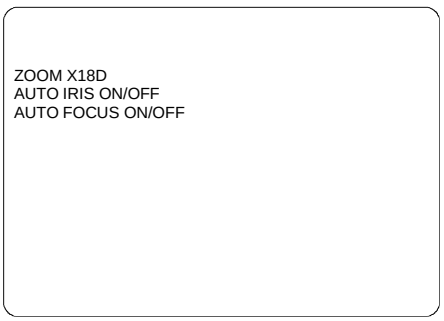


Figure 5-2: Example of Zoom, Auto Focus and Auto Iris Status Information

Note Displaying *status* information is separate from displaying *name* information. If `Disable All Names?` is set to ***Yes***, the status information will still appear if `Status Display` is set to ***On***.

To change the setting:

1. Select `On-Screen Text Display` from the `Dome Configuration Menu`.

   The highlight bar appears on `Status Display`.

2. Press **Zoom Out** or **Zoom In** to change the setting.

   - If you want the dome status information to appear on the monitor, choose `On`.
   - If you do not want dome status information to appear on the monitor, select `Off`. **The default setting is `Off`.**

3. Do one of the following:

   - If you want to change the types of name information displayed, refer to *Displaying or Hiding Name Information* on page 5-3.
   - If you want diagnostic information to appear when the dome resets, refer to *Displaying Diagnostic Tests During Reset* on page 5-6.
   - If you want to assign names to the dome, areas, presets, patterns, or alarms, refer to *Assigning or Changing Name Information* on page 5-7.
   - If you want to change the text information appearance, refer to *Changing Text Display Attributes* on page 5-10.
   - If you are finished making changes, press and hold **Iris Close**, then press **Focus Near** or **Focus Far** to save your changes and exit the utility.[1]
   - If you want to make changes to other settings, use the **Tilt** control to move the highlight bar to `Exit`, then press **Focus Far**. The `Dome Configuration Menu` appears. Continue with *What To Do Next* on page 5-12.

Displaying or Hiding Name Information

The dome provides the ability to display the dome name, the area where the dome is pointing, the name of the preset or pattern that is running, and alarm names. When the display of camera or area names is enabled, the information appears on the screen continuously. Preset, pattern, and alarm names appear only while they are active.

[1] This command is not supported with Manchester.

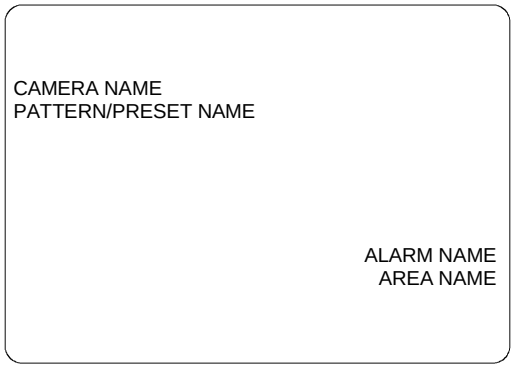


Figure 5-3: Display Locations for Name Information

You may choose to disable displaying all name information, or you may choose to display selected or all name information.

Changing the Display of All Name Information

1. Select `On-Screen Text Display` from the `Dome Configuration Menu`.
2. Use the **Tilt** control to move the highlight bar to `Disable All Names?`
3. Press **Zoom Out** or **Zoom In** to change the setting.
   - If you want to disable the appearance of all name information, select `Yes`.
   - If you want all or some name information to appear on the monitor, select `No`. Then continue with *Changing the Display of Selected Name Information* on page 5-4.
     The default setting is `No`.
4. Do one of the following:
   - If you want to change the status information display, refer to *Displaying or Hiding Status Information* on page 5-2.
   - If you want diagnostic information to appear when the dome resets, refer to *Displaying Diagnostic Tests During Reset* on page 5-6.
   - If you want to assign names to the dome, areas, presets, patterns, or alarms, refer to *Assigning or Changing Name Information* on page 5-7.
   - If you want to change the text information appearance, refer to *Changing Text Display Attributes* on page 5-10.
   - If you are finished making changes, press and hold **Iris Close**, then press **Focus Near** or **Focus Far** to save your changes and exit the utility.[2]
   - If you want to make changes to other settings, use the **Tilt** control to move the highlight bar to `Exit`, then press **Focus Far**. The `Dome Configuration Menu` appears. Continue with *What To Do Next* on page 5-12.

Changing the Display of Selected Name Information

When `Name Configuration Menu` is selected from the `On-Screen Text Display` screen, the following appears:

[2] This command is not supported with Manchester.

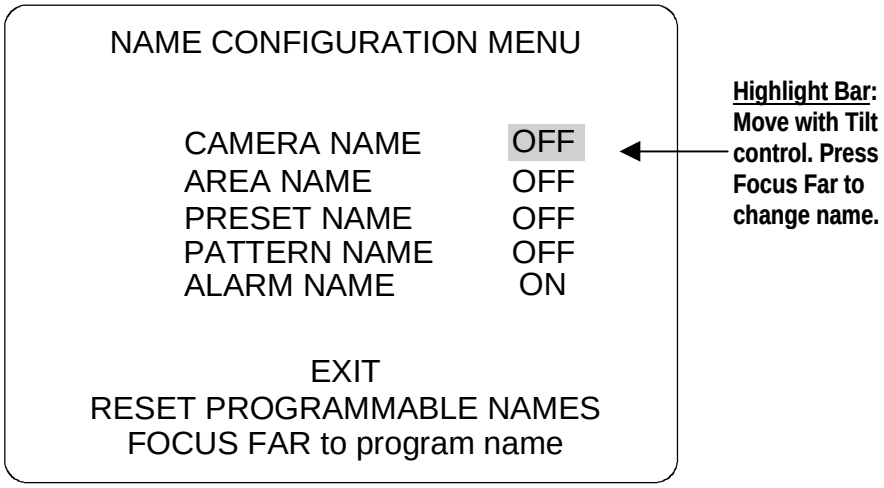


Figure 5-4: Name Configuration Screen

You can choose to enable or disable the display of camera, area, preset, pattern, and alarm names from this screen. You can reset all programmable names to their default settings. You can also initiate name programming from this screen (see *Assigning or Changing Name Information* on page 5-7).

To change the display of a name:

1. Select `On-Screen Text Display` from the `Dome Configuration Menu`.
2. Use the **Tilt** control to move the highlight bar to `Name Configuration Menu`. Then press **Focus Far**.

   The `Name Configuration Menu` appears.
3. Use the **Tilt** control to move the highlight bar to the item whose display setting you want to change.
4. Press **Zoom In** or **Zoom Out** to change the setting.

   - If you want the name to appear on the monitor, choose `On`.
   - If you do not want the name to appear on the monitor, choose `Off`.
     The default settings are `Off` for Camera, Areas, Presets, and Patterns, and `On` for Alarms.
5. Repeat steps 3 and 4 for each item you want to change.
6. Do one of the following:

   - If you want to reset all programmable names to their default values, use the **Tilt** control to move the highlight bar to `Reset Programmable Names`, then press **Focus Far**. Continue with step 7.
   - If you do not want to reset the programmable names, continue with step 8.
7. The following prompt appears on the screen:

   `RESET PROGRAMMABLE NAMES NO`

Press **Zoom In** or **Zoom Out** to toggle the setting.

- To reset all names to the default value, select `Yes`, then press **Focus Far**. The `Name Configuration Menu` displays. "`Programmable Names Have Been Reset`" appears at the bottom of the screen.
- To cancel resetting of names, select `No`, then press **Focus Far**. The `Name Configuration Menu` displays.
  The default selection is `No`.

8. Do one of the following:

   - If you want to change programmable name information, continue with *Assigning or Changing Name Information* on page 5-7.
   - When you finish making changes, use the **Tilt** control to move the highlight bar to `Exit`. Then press **Focus Far** to return to the `On-Screen Text Display` form. Continue with step 9.

9. Do one of the following:

   - If you want to change the display of status information, refer to *Displaying or Hiding Status Information* on page 5-2.
   - If you want diagnostic information to appear when the dome resets, refer to *Displaying Diagnostic Tests During Reset* on page 5-6.
   - If you want to change the appearance of the text information, refer to *Changing Text Display Attributes* on page 5-10.
   - If you are finished making changes, press and hold **Iris Close**, then press **Focus Near** or **Focus Far** to save your changes and exit the utility.[3]
   - If you want to make changes to other settings, use the **Tilt** control to move the highlight bar to `Exit`, then press **Focus Far**. The `Dome Configuration Menu` appears. Continue with *What To Do Next* on page 5-12.

Displaying Diagnostic Tests During Reset

You can choose to have dome diagnostic tests run whenever the dome resets. The diagnostic information displayed includes:

- Communications Loopback Test
- Camera Loopback Test
- Motor Circuit Test.

If you do not want diagnostic information to appear when the dome resets, a screen displaying the firmware version numbers for the Boot and Application code and the maximum optical zoom for the dome appears.

I M P O R T A N T

Enabling diagnostic tests may cause a momentary loss of communication on

[3] This command is not supported with Manchester.

the network when the dome diagnostics are executed.

To enable or disable the running of diagnostic tests, do the following:

1. Select `On-Screen Text Display` from the `Dome Configuration Menu`.
2. Use the **Tilt** control to move the highlight bar to `Diagnostic Display`.
3. Press **Zoom Out** or **Zoom In** to change the setting.
   - If you want diagnostic tests to run when the dome resets, select `On`.
   - If you do not want diagnostic tests to run when the dome resets, select `Off`. This choice displays the firmware versions whenever the dome resets.
     The default setting is OFF.
4. Do one of the following:
   - If you want to change the status information display, refer to *Displaying or Hiding Status Information* on page 5-2.
   - If you want to assign names to the dome, areas, presets, patterns, or alarms, refer to *Assigning or Changing Name Information* on page 5-7.
   - If you want to change the text information appearance, refer to *Changing Text Display Attributes* on page 5-10.
   - If you are finished making changes, press and hold **Iris Close**, then press **Focus Near** or **Focus Far** to save your changes and exit the utility.[4]
   - If you want to make changes to other settings, use the **Tilt** control to move the highlight bar to `Exit`, then press **Focus Far**. The `Dome Configuration Menu` appears. Continue with *What To Do Next* on page 5-12.

Assigning or Changing Name Information

With the `Name Configuration Menu` displayed, you can highlight a menu item and select **Focus Far** to begin name programming.

Names for each selection can be up to 19 characters long. The following characters are available:

- A-Z (upper case)
- a-z (lower case)
- 0-9
- Blank Space
- Minus Sign (-)
- Forward Slash (/)

Setting Names

1. Select `On-Screen Text Display` from the `Dome Configuration Menu`.
2. Use the **Tilt** control to move the highlight bar to `Name Configuration Menu`. Then press **Focus Far**.

   The `Name Configuration Menu` appears.

[4] This command is not supported with Manchester.

3. Use the **Tilt** control to move the highlight bar to the name setting you want to change, then press **Focus Far**. The choices are:

   `Camera Name`
   `Area Name`
   `Preset Name`
   `Pattern Name`
   `Alarm Name`

   If you choose `Camera Name`, continue with step 6.
   If you choose `Area Name`, `Preset Name`, `Pattern Name`, or `Alarm Name`, continue with step 4.

4. The `Select Name to Program` screen appears.

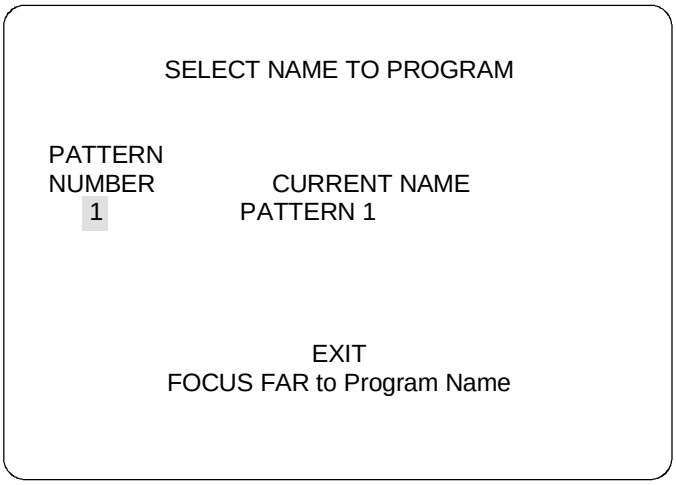


Figure Chapter 5 -5: Example Select Name to Program Screen (for Patterns)

5. Press **Zoom In** or **Zoom Out** to change the number until the item whose name you want to change appears. Then press **Focus Far**.

Note: If Presets, Patterns, or Areas have been programmed, the dome automatically moves to the starting position of the associated selection each time the number is advanced.

6. The `Name Programming` screen appears.

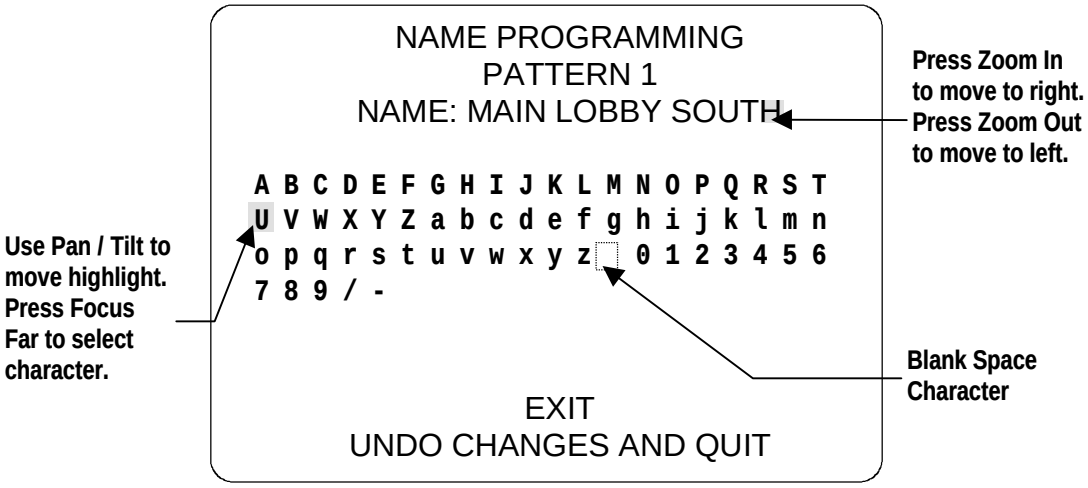

NAME PROGRAMMING
PATTERN 1
NAME: MAIN LOBBY SOUTH
A B C D E F G H I J K L M N O P Q R S T
U V W X Y Z a b c d e f g h i j k l m n
o p q r s t u v w x y z 0 1 2 3 4 5 6
7 8 9 / -
EXIT
UNDO CHANGES AND QUIT
Press Zoom In to move to right. Press Zoom Out to move to left.
Use Pan / Tilt to move highlight. Press Focus Far to select character.
Blank Space Character

Figure 5-6: Example Name Programming Screen (for Patterns)

7. Use the **Pan / Tilt** control to move the blinking highlight around the available characters. When the correct character is highlighted, press **Focus Far**.

If you make a mistake, press **Zoom In** to move the cursor one space right or **Zoom Out** to move the cursor one space left.

8. Repeat step 7 until the name is complete.
9. Do one of the following:
    - If you want to keep the name changes, move the highlight bar to **Exit**, then press **Focus Far**.
    - If you do not want to keep the changes, move the highlight bar to **Undo Changes and Quit**, then press **Focus Far**.
10. Do one of the following:
    - If you were changing the camera name, continue with step 12.
    - If you were changing the name of an area, preset, pattern or alarm, the `Select Name to Program` screen appears. Continue with step 11.
11. Do one of the following:
    - If you want to make additional changes to the same type selected in step 2, repeat steps 4 through 10.
    - If you want to return to the `Name Configuration Menu`, use the **Tilt** control to move the highlight bar to `Exit`. Then press **Focus Far**, and continue with step 12.
12. Do one of the following:
    - If you want to make additional name changes, repeat steps 3 through 11.
    - If you want to return to `On-Screen Text Display`, use the **Tilt** control to move the highlight bar to `Exit`, then press **Focus Far**. Continue with step 13.

13. Do one of the following:

- If you want to change the types of status information displayed, refer to *Displaying or Hiding Status Information* on page 5-2.
- If you want to change the name information displayed, refer to *Displaying or Hiding Name Information* on page 5-3.
- If you want diagnostic information to appear when the dome resets, refer to *Displaying Diagnostic Tests During Reset* on page 5-6.
- If you want to change the text information appearance, refer to *Changing Text Display Attributes* on page 5-10.
- If you are finished making changes, press and hold **Iris Close**, then press **Focus Near** or **Focus Far** to save your changes and exit the utility.[5]
- If you want to make changes to other settings, use the **Tilt** control to move the highlight bar to `Exit`, then press **Focus Far**. The `Dome Configuration Menu` appears. Continue with *What To Do Next* on page 5-12.

Changing Text Display Attributes

When you select `Text Attribute Options` from the `On-Screen Text Display` screen, the following screen appears.

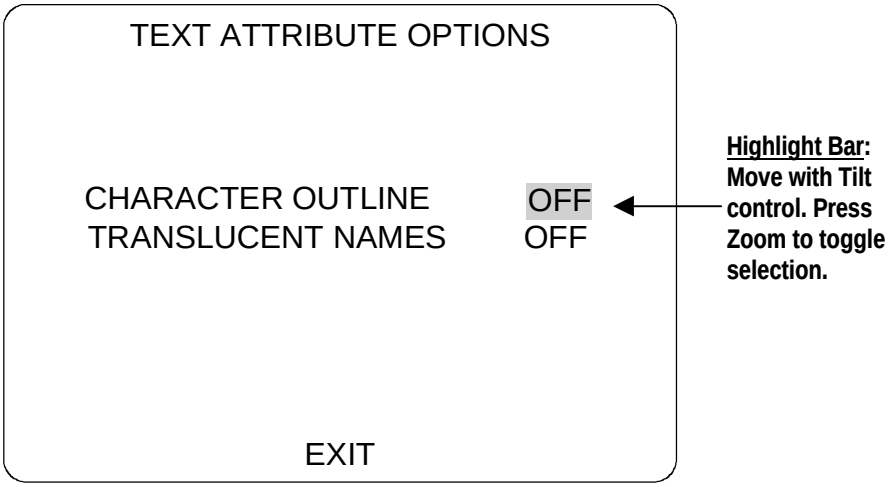

TEXT ATTRIBUTE OPTIONS
CHARACTER OUTLINE OFF
TRANSLUCENT NAMES OFF
EXIT
Highlight Bar: Move with Tilt control. Press Zoom to toggle selection.

Figure 5-7: Text Attributes Options Screen

From this screen, you can choose to display outlines around the utility screen text, name text, and status text. This ensures that text can be seen when the video background is light. You may also choose to have name and status information appear translucent on the monitor. This prevents objects on the screen from being obscured by the text. The following figure illustrates the types of text attributes available.

[5] This command is not supported with Manchester.

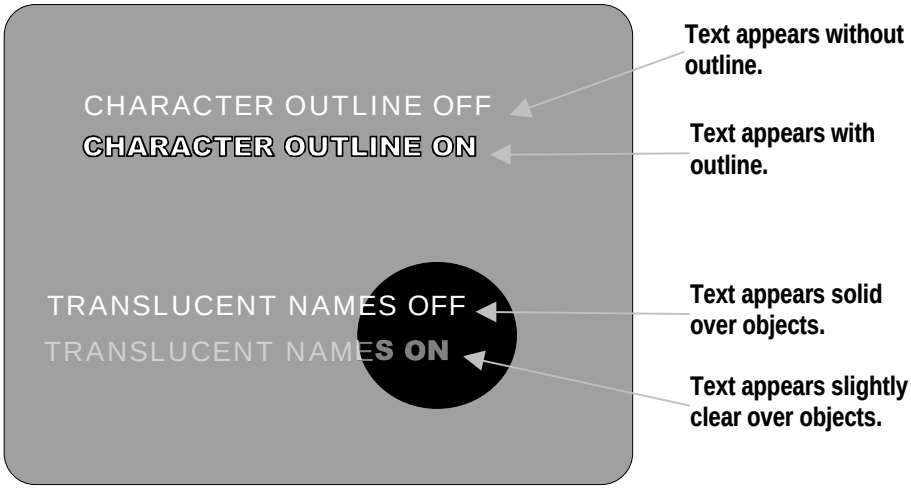


Figure 5-8: Examples of text attributes.

To change the text appearance do the following:

1. Select `On-Screen Text Display` from the `Dome Configuration Menu`.
2. Use the **Tilt** control to move the highlight bar to `Text Attribute Options`, then press **Focus Far**.

   The `Text Attribute Options` screen appears.
3. Press **Zoom In** or **Zoom Out** to change the setting.
   - If you want the text to appear with an outline around each character, select `On`.
   - If you want the text to appear without an outline around each character, select `Off`.

     The default setting is `On`.
4. Do one of the following:
   - If you want to change the appearance of the text overlay characters for dome names and status information, use the **Tilt** control to move the highlight bar to `Translucent Names`. Continue with step 5.
   - If you are finished making changes, continue with step 6.
5. Press **Zoom In** or **Zoom Out** to change the setting.
   - If you want the text associated with dome names and status information to appear translucent (slightly clear), select `On`.
   - If you want the text associated with dome names and status information to appear opaque (solid) , select `Off`.
   - **The default setting is On.**
6. Use the **Tilt** control to move the highlight bar to `Exit`, then press **Focus Far**. The `On-Screen Text Display` screen appears.

7. Do one of the following:

    - If you want to change the status information displayed, refer to *Displaying or Hiding Status Information* on page 5-2.
    - If you want to change the name information displayed, refer to *Displaying or Hiding Name Information* on page 5-3.
    - If you want diagnostic information to appear when the dome resets, refer to *Displaying Diagnostic Tests During Reset* on page 5-6.
    - If you want to assign names to the dome, areas, presets, patterns, or alarms, refer to *Assigning or Changing Name Information* on page 5-7.
    - If you are finished making changes, press and hold **Iris Close**, then press **Focus Near** or **Focus Far** to save your changes and exit the utility.[6]
    - If you want to make changes to other settings, use the **Tilt** control to move the highlight bar to `Exit`, then press **Focus Far**. The `Dome Configuration Menu` appears. Continue with *What To Do Next* on page 5-12.

What To Do Next

When you select `Exit` from the `On-Screen Text Display` screen, the `Dome Configuration Menu` appears.

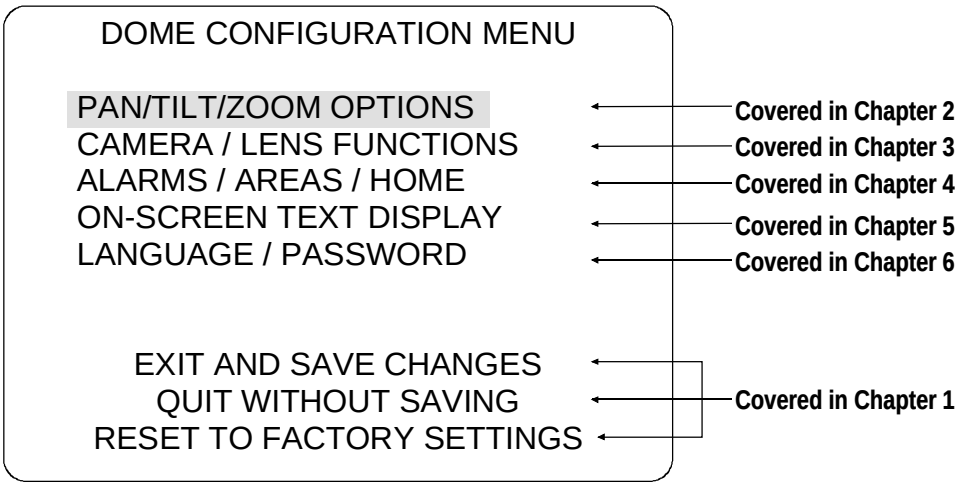


Figure 5-9: Dome Configuration Menu

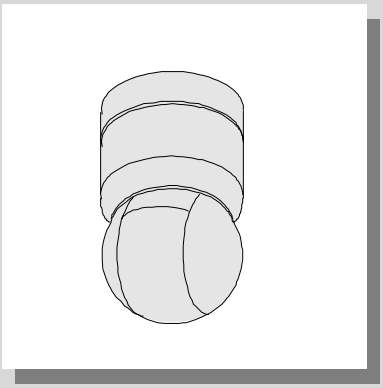
From this screen you can:

- Select an option to make additional changes. These topics are covered in chapters 2 through 6.
- Save the changes you made and exit the utility. This topic is covered in Chapter 1.
- Exit the utility without saving changes. This topic is covered in Chapter 1.
- Restore all settings to the factory defaults. This topic is covered in Chapter 1.

Use the **Tilt** control to move the highlight bar to selection you want to use, then press **Focus Far** to continue. Refer to the related chapter for additional information.

[6] This command is not supported with Manchester.

CHAPTER 6



Language and Password Settings

In This Chapter

- Overview of Language and Password Settings
- Selecting a Language
- Working with Passwords
- What To Do Next

Overview of Language and Password Settings

When Language / Password is selected from the Dome Configuration Menu, the following screen appears:

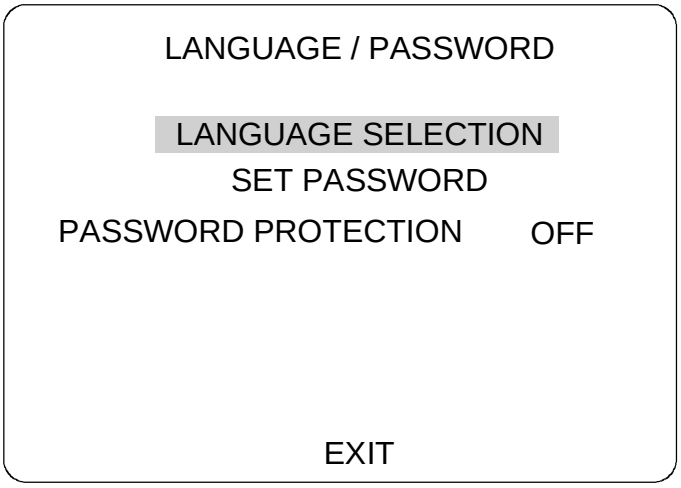


Figure Chapter 6 -1: Language / Password Screen

From this screen, you can choose the language for the menus, status information, and prompts of the dome. You can also set and enable the use of the dome password.

- To move the highlight bar, use the **Tilt** control.
- Pressing **Zoom Out** or **Zoom In** changes value of the selected setting.
- When you finish making changes, move the highlight bar to Exit, then press **Focus Far** to return to the Dome Configuration Menu.

I M P O R T A N T

If Portuguese is the selected language, the characters "ã" and "õ" will not be displayed on the screen. This is due to a limitation of the text overlay chip.

Selecting a Language

The dome supports menus, status information and prompts in English, Spanish, French, German, Italian, and Portuguese. When the dome is first installed, the language setting is English. To change the language setting for the menus, status information, and prompts, do the following:

1. Select Language/Password from the Dome Configuration Menu.
2. The highlight bar appears on Language Selection. Press **Focus Far**.

   The Language Selection screen appears:

Figure 6-2: Language Selection screen.

Use the **Tilt** control to move the highlight bar to the preferred language setting. The choices are: `English`, `Spanish`, `French`, `German`, `Italian`, and `Portuguese`.

The default setting is `English`.

3. Press **Focus Far** to select the highlighted language.
4. The following screen displays:

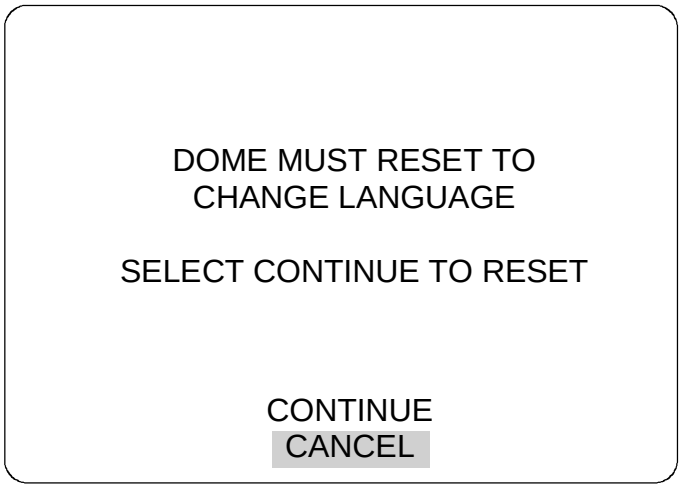


Figure 6-3: Prompt for Language Reset

The highlight bar appears on `Cancel`.

Note: Changing the language does not alter any previously programmed names. Only default names, such as **`Preset 1`**, change to the new language setting.

---

5. Do one of the following:
    - To continue with changing the language, use the **Tilt** control to move the highlight bar to `Continue`, then press **Focus Far**. The dome automatically resets. Continue with step 6.

- To cancel the language change, press **Focus Far**. The `Language Selection` screen displays. You may choose a different language, or use the **Tilt** control to move the highlight bar to `Exit` to return to the `Language / Password` screen. Continue with step 7.

6. To display the `Dome Configuration Menu` in the selected language, press and hold **Iris Open**, press and hold **Focus Near** or **Focus Far**, then press **Zoom Out**. Continue with step 7.

7. Do one of the following:

   - If you want set the dome password, refer *Working with Passwords* on page 6-4.
   - If you are finished making changes, press and hold **Iris Close**, then press **Focus Near** or **Focus Far** to save your changes and exit the utility.[1]
   - If you want to make changes to other settings, continue with *What To Do Next* on page 6-6.

Working with Passwords

To prevent unauthorized use of the configuration utility, you may choose to enable password protection. There are two parts to using passwords with your dome: setting a password and enabling password use. The dome password can be from 1 to 8 characters long. The characters available depend on the current language setting.

Setting or Changing the Dome Password

1. Select `Language/Password` from the `Dome Configuration Menu`.

2. Use the **Tilt** control to move the highlight bar to `Set Password`. Then press **Focus Far**.

   The `Set Password` screen appears.

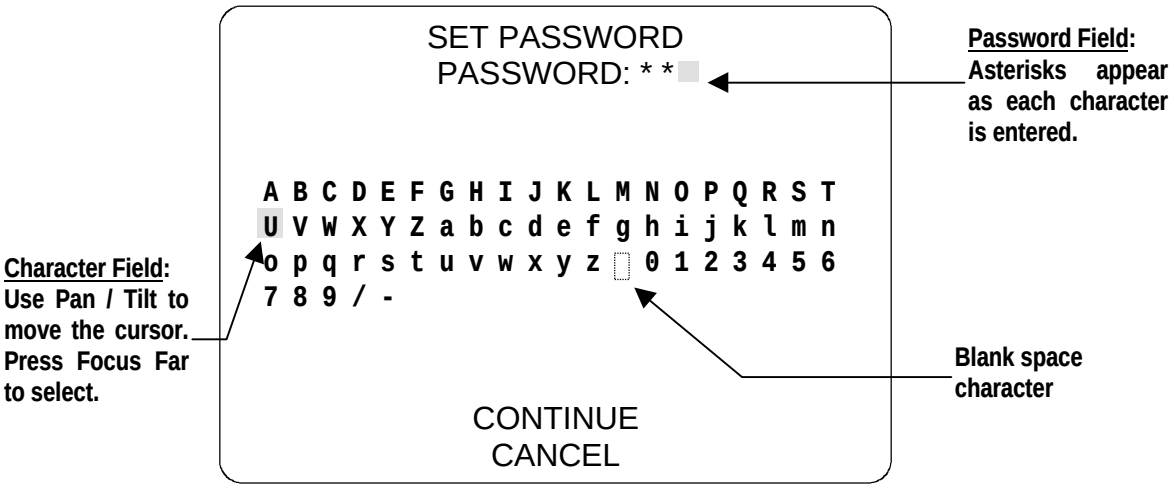

SET PASSWORD
PASSWORD: * *
Password Field: Asterisks appear as each character is entered.
A B C D E F G H I J K L M N O P Q R S T
U V W X Y Z a b c d e f g h i j k l m n
o p q r s t u v w x y z 0 1 2 3 4 5 6
7 8 9 / -
Character Field: Use Pan / Tilt to move the cursor. Press Focus Far to select.
Blank space character
CONTINUE
CANCEL

Figure 6-4: Set Password Screen

[1] This command is not supported with Manchester.

3. Use the **Pan / Tilt** control to move the blinking highlight around the available characters. When the correct character is highlighted, press **Focus Far**.

   If you make a mistake, press **Zoom In** to move the cursor one space right or **Zoom Out** to move the cursor one space left.

4. Repeat step 3 until the password is complete. When finished, move the highlight to `Continue`, then press **Focus Far**.

5. You must successfully enter the password twice. Use the procedure in step 3 to enter the password again. When finished, move the highlight to `Continue`, then press **Focus Far**.

Note: If the passwords do not match, you must start over. Return to step 3 and repeat the procedure.

6. The `Language/Password` screen appears. Do one of the following:

   - To enable the password, continue with *Enabling or Disabling Password Protection* on page 6-5.
   - If you want to change the language setting, refer to *Selecting a Language* on page 6-2.
   - If you are finished making changes, press and hold **Iris Close**, then press **Focus Near** or **Focus Far** to save your changes and exit the utility.[2]
   - If you want to make changes to other settings, use the **Tilt** control to move the highlight bar to `Exit`, then press **Focus Far**. The `Dome Configuration Menu` appears. Continue with *What To Do Next* on page 6-6.

Enabling or Disabling Password Protection

Password protection must be enabled before passwords can be used.

1. Select `Language/Password` from the `Dome Configuration Menu`.

2. Use the **Tilt** control to move the highlight bar to `Password Protection`.

3. Press **Zoom In** or **Zoom Out** to change the setting.

   - If you want to use a password to prevent unauthorized use of the dome configuration utility, select `On`.
   - If you do not want to use a password, select `Off`.
     The default setting is **`Off`**.

4. Do one of the following:

   - If you want to change the language setting, refer to *Selecting a Language* on page 6-2.
   - If you want to set or change the password, refer to *Setting or Changing the Dome Password* on page 6-4.
   - If you are finished making changes, press and hold **Iris Close**, then press **Focus Near** or **Focus Far** to save your changes and exit the utility.
   - If you want to make changes to other settings, use the **Tilt** control to move the highlight bar to `Exit`, then press **Focus Far**. The `Dome Configuration Menu` appears. Continue with *What To Do Next* on page 6-6.

[2] This command is not supported with Manchester.

What To Do Next

When you select `Exit` from the `Language / Password` screen, the `Dome Configuration Menu` appears.

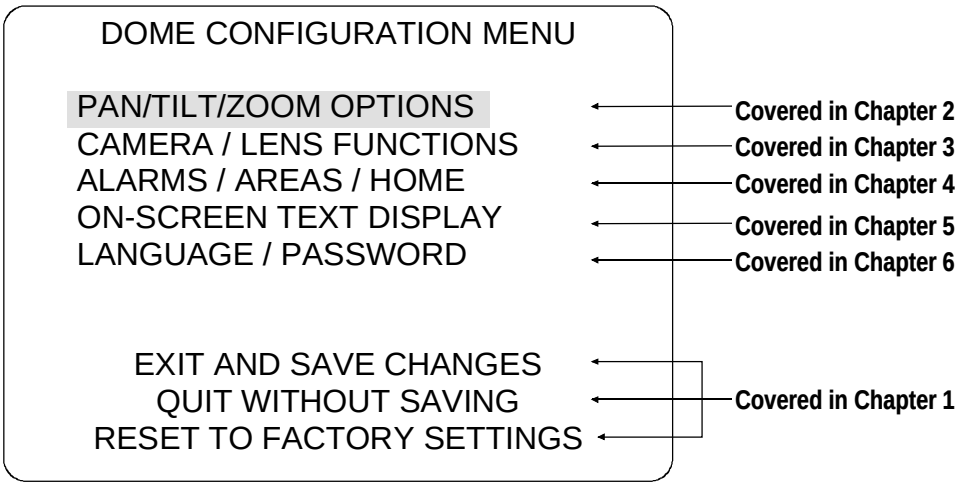


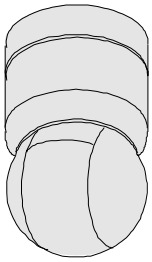
Figure 6-5: Dome Configuration Menu

From this screen you can:

- Select an option to make additional changes. These topics are covered in chapters 2 through 6.
- Save the changes you made and exit the utility. This topic is covered in Chapter 1.
- Exit the utility without saving changes. This topic is covered in Chapter 1.
- Restore all settings to the factory defaults. This topic is covered in Chapter 1.

Use the **Tilt** control to move the highlight bar to selection you want to use, then press **Focus Far** to continue. Refer to the related chapter for additional information.

APPENDIX A



Records

Use the pages in this appendix to record the configuration settings for your SpeedDome Ultra IV Camera Dome. Make copies of these pages for each dome. Whenever you change settings for a dome, be sure to update the information for the dome.

DOME NUMBER: _____ LOCATION: _____

Pan / Tilt / Zoom Settings

Menu Item	Default Setting (Choices)	Current Setting
Proportional Flip	**Off** (On / Off)	
1st Zoom Stop X	**24** (16 / 24)	
Max Total Zoom X	**64** (32/48/64/80/96/112/128)	

Camera and Lens Functions

Menu Item	Default Setting (Choices)	Current Setting
Line Lock	**On** (On / Off)	
AGC Mode	**On** (On / Off)	
AGC Gain*	(0-1128)	
Auto White Bal	**On** (On / Off)	
Red White Bal**	(128 -1023)	
Blue White Bal**	(128-1023)	

***** **AGC Mode must be set to Off to use this setting**

****** **Auto White Bal must be set to Off to use these settings**

Alarm Actions

Menu Item	Default Setting (Choices)	Current Setting
Alarm No. 1	**No Action** (Preset 1-96 / Pattern 1-3 / No Action)	
Alarm No. 2	**No Action** (Preset 1-96 / Pattern 1-3 / No Action)	
Alarm No. 3	**No Action** (Preset 1-96 / Pattern 1-3 / No Action)	
Alarm No. 4	**No Action** (Preset 1-96 / Pattern 1-3 / No Action)	
Send Inputs to Host	**Yes** (Yes / No)	

Alarm Input Normal States

Menu Item	Default Setting (Choices)	Current Setting
Input No. 1	**Open** (Open / Closed)	
Input No. 2	**Open** (Open / Closed)	
Input No. 3	**Open** (Open / Closed)	
Input No. 4	**Open** (Open / Closed)	

Home Position

Menu Item	Default Setting (Choices)	Current Setting
Home Position	**No Action** (Preset 1-96 or 64 / Pattern 1-3 / No Action)	
Return Time (Mins)*	**10** (1 - 60 Minutes**)**	

***** **Home Position must be set to Preset or Pattern for this setting to apply.**

Area Boundaries

Up to 16 areas can be programmed. Use this form to identify the start and end points of each area. This will assist you in restoring the boundaries if the areas should be erased.

Area Number	Start Point	End Point
Area 1		
Area 2		
Area 3		
Area 4		
Area 5		
Area 6		
Area 7		
Area 8		
Area 9		
Area 10		
Area 11		
Area 12		
Area 13		
Area 14		
Area 15		
Area 16		

DOME NUMBER: _____ **LOCATION:** _____

On-Screen Text Display

Menu Item	Default Setting (Choices)	Current Setting
Status Display	**Off** (On / Off)	
Disable All Names	**No** (Yes / No)	
Diagnostic Display	**Off** (On / Off)	

Text Attribute Options

Menu Item	Default Setting (Choices)	Current Setting
Character Outline	**On** (On / Off)	
Translucent Names	**On** (On / Off)	

Language / Password

Menu Item	Default Setting (Choices)	Current Setting
Language Selection	**English (**English / Spanish / French / German / Italian / Portuguese)	
Password Protection	**Off** (On / Off)	

Note: Provide the password to authorized operators only.

Name Configuration

Menu Item	Default Setting (Choices)	Current Setting
Camera Name	**Off** (On / Off)	
Area Name	**Off** (On / Off)	
Area No. 1	Area 1	
Area No. 2	Area 2	
Area No. 3	Area 3	
Area No. 4	Area 4	
Area No. 5	Area 5	
Area No. 6	Area 6	
Area No. 7	Area 7	
Area No. 8	Area 8	
Area No. 9	Area 9	
Area No. 10	Area 10	
Area No. 11	Area 11	
Area No. 12	Area 12	
Area No. 13	Area 13	
Area No. 14	Area 14	
Area No. 15	Area 15	
Area No. 16	Area 16	
Preset Name	**Off** (On / Off)	
REFER TO PRESET WORKSHEET FOR NAME SETTINGS		
Pattern Name	**Off** (On / Off)	
Pattern No. 1	Pattern 1	
Pattern No. 2	Pattern 2	
Pattern No. 3	Pattern 3	
Alarm Name	**On** (On / Off)	
Alarm No. 1	Alarm 1	
Alarm No. 2	Alarm 2	
Alarm No. 3	Alarm 3	
Alarm No. 4	Alarm 4	

DOME NUMBER: _____ LOCATION: _____

Presets

Up to 96 presets (64 with Manchester) can be programmed for each dome. Use this form to describe the scene being viewed for each preset. This will assist you in restoring the presets if they should be erased.

Preset Number	Description	Assigned Name
Preset 1		
Preset 2		
Preset 3		
Preset 4		
Preset 5		
Preset 6		
Preset 7		
Preset 8		
Preset 9		
Preset 10		
Preset 11		
Preset 12		
Preset 13		
Preset 14		
Preset 15		
Preset 16		
Preset 17		
Preset 18		
Preset 19		
Preset 20		
Preset 21		
Preset 22		
Preset 23		
Preset 24		
Preset 25		
Preset 26		
Preset 27		
Preset 28		
Preset 29		
Preset 30		
Preset 31		
Preset 32		
Preset 33		
Preset 34		
Preset 35		
Preset 36		
Preset 37		
Preset 38		
Preset 39		
Preset 40		
Preset 41		
Preset 42		
Preset 43		
Preset 44		
Preset 45		
Preset 46		
Preset 47		
Preset 48		

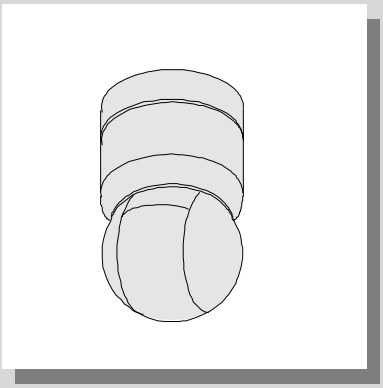
DOME NUMBER: _____ LOCATION: _____

Preset Number	Description	Assigned Name
Preset 49		
Preset 50		
Preset 51		
Preset 52		
Preset 53		
Preset 54		
Preset 55		
Preset 56		
Preset 57		
Preset 58		
Preset 59		
Preset 60		
Preset 61		
Preset 62		
Preset 63		
Preset 64		
Preset 65		
Preset 66		
Preset 67		
Preset 68		
Preset 69		
Preset 70		
Preset 71		
Preset 72		
Preset 73		
Preset 74		
Preset 75		
Preset 76		
Preset 77		
Preset 78		
Preset 79		
Preset 80		
Preset 81		
Preset 82		
Preset 83		
Preset 84		
Preset 85		
Preset 86		
Preset 87		
Preset 88		
Preset 89		
Preset 90		
Preset 91		
Preset 92		
Preset 93		
Preset 94		
Preset 95		
Preset 96		

DOME NUMBER: _____ **LOCATION: _____**

NOTES:

A P P E N D I X B



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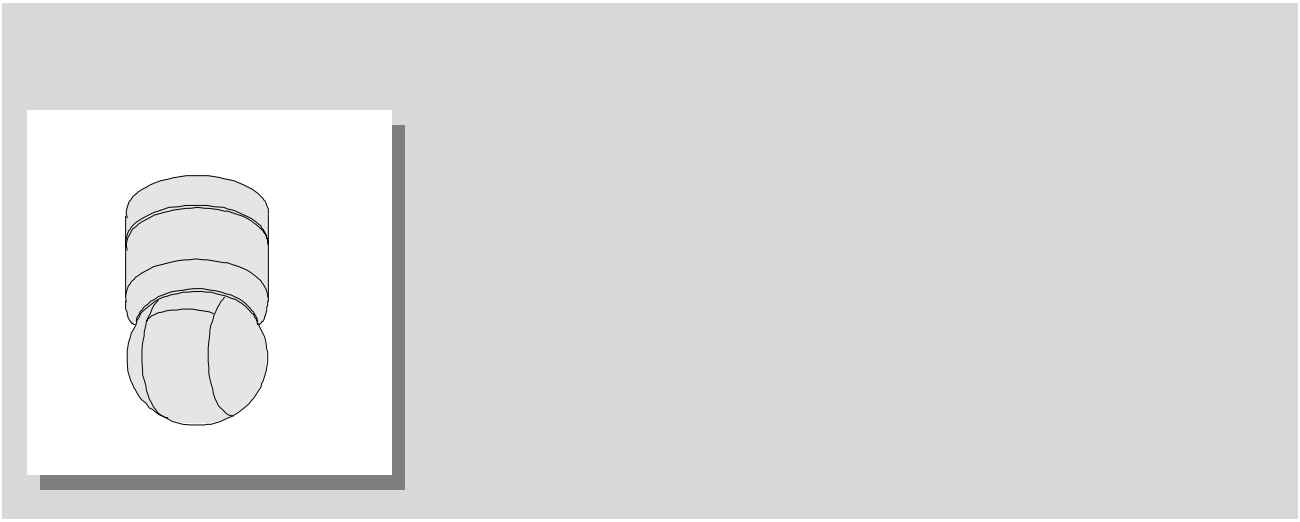


Glossary

Alarm Actions

The assigned responses for the dome when inputs change from normal to abnormal states. The dome may run a *preset*, *pattern*, or have no assigned action for each of the four dome inputs. The dome may also send alarm states to the host controller for processing.

Areas

Programmed start and end points of the dome's field of view around its pan axis. Each area is a part of a circular viewing area that extends around the dome. The areas can be different sizes. Up to 16 areas can be programmed for the dome.

Automatic “Flip” feature

Allows the dome to automatically turn 180-degrees when the camera tilts to its lower limit and stays in that position for a brief delay. When the dome flips (rotates), the camera starts moving upward as long as the tilt control is kept in the down position. Once the control is released, the tilt control returns to its normal operational mode. The flip feature is useful when you need to track someone who walks directly beneath the dome and continues on the other side. This is also referred to as “proportional flip.”

Automatic Gain Control (AGC)

Allows for the amplification of the video signal in scenes with minimal ambient light. Many low-light scenes result in picture noise. As gain is increased, the picture noise is also amplified. When AGC is enabled, the value of the gain setting is based on feedback from the camera. When AGC is disabled, the camera uses the value set for the manual gain setting. The trade-off between picture level and noise may be adjusted when AGC is disabled.

Configuration Utility

The text overlay menu system that a provides a means to setting features for the dome. The utility is accessed using a keystroke combination. The utility provides settings for camera functions, pan, tilt, zoom, focus, alarms, text display, and password protection.

Dome Status Information

Relates to zoom, focus, and iris settings. You may choose to have this information displayed on the monitor when any of these settings change. If display of status information is enabled, it appears in the upper left corner of the monitor.

Home Position

The default position to which the dome returns after an assigned period of inactivity passes. The default position may be a *preset*, *pattern*, or no action.

Input

A connection point on the dome that enables the system to monitor input devices. There are four inputs available for the dome.

Input Devices

External devices that provide information about the condition of system components that connect to the inputs on the dome. Typical input devices include door contacts, motion detectors and smoke detectors.

Line Lock

Allows you to phase lock the video with the AC power line. When line lock is enabled, it prevents vertical video rolling when switching multiple cameras to a single monitor. If text appears slightly tinted on color monitors, disabling the line lock may prevent this problem.

Name Information

Relates to the display the dome name, the area where the dome is pointing, the name of the preset or pattern that is running, and alarm names. The display of each type of name setting can be enabled or disabled. When the display of camera or area names is enabled, the information appears on the screen continuously. Preset, pattern, and alarm names appear only while they are active.

Normal Input State

Describes the expected state of a device connected to one of four dome inputs. The normal state may be *open* or *closed*. When a device is not in its normal input state, an alarm is issued. This feature is not supported with Manchester.

Password Protection

Prevents unauthorized users from starting the configuration utility. The password may be from 1 to 8 characters long.

Patterns

A series of pan, tilt, zoom and focus movements from a single programmable dome. Up to 3 patterns may be programmed for the dome.

Presets

Programmed video scenes, based on a specific pan, tilt, zoom, and focus settings. Up to 96 presets may be programmed for the dome. For domes running in a Manchester network, only 64 presets may be programmed.

"Virtual" Views

Similar to *presets*. However, virtual views store the pan, tilt, zoom, focus, and iris settings within the controller, not the dome. Virtual Views **cannot** be used as the *Home Position* or *Alarm Actions*.

White balance

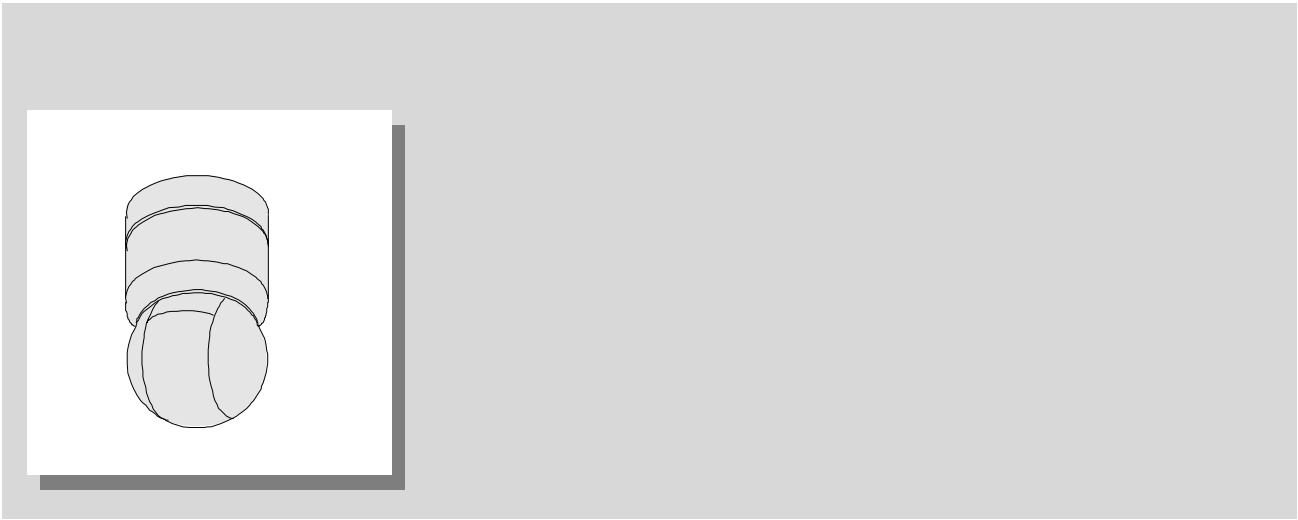
Adjustments in the color hue (red and blue) gains for a camera so that true white appears white in the image. It is normally compensated for by the automatic gain control. In some lighting conditions, you may need to manually adjust the red and blue settings for optimal viewing. When Automatic White Balance is enabled, the camera measures the image and automatically adjusts the red and blue settings to balance white. When Automatic White Balance is disabled, the camera uses the values set for the red and blue settings to balance white.

Zoom

To adjust the magnification of the camera lens to make an object appear closer (larger) or farther away (smaller).

Zoom stop factors

Defines how to partition the zoom function. The first zoom stop setting may be 16X or 24X. The maximum zoom stop setting may be 32X, 48X, 64X, 80X, 96X, 112X or 128X.



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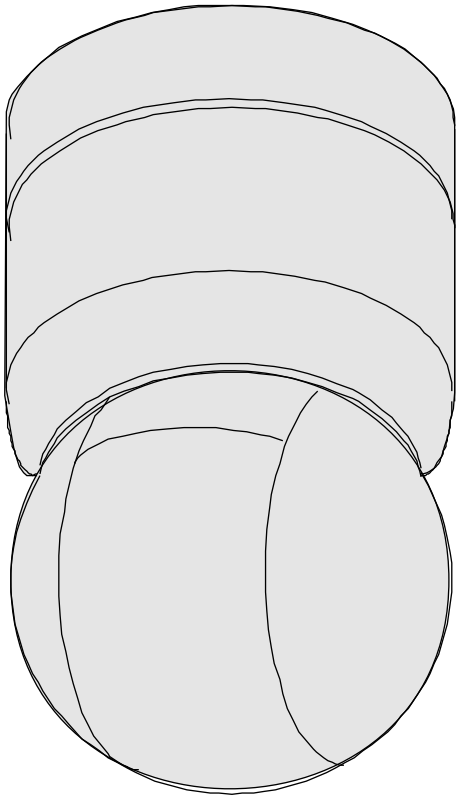

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